H. D. FLETCHER

CATALOGUE OF TYPE SPECIMENS OF FOSSILS IN AUSTRALIAN MUSEUM

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Catalogue of Type Specimens in the Australian Museum, Sydney

By
H. O. Fletcher

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ABSTRACT

This catalogue is a classified list of all type specimens of the fossil plants, invertebrates, and vertebrates, including specimens mentioned in literature, in the collections of the Australian Museum, Sydney. Also included are plaster replicas (plastotypes) of important type specimens, and, when known, the institution in which the original specimen is stored is given. Genera and species are arranged in alphabetical order in their appropriate larger biological groups. The catalogue, containing almost 4,000 specimens, is complete to December, 1968.

INTRODUCTION

Type specimens are listed in alphabetical order according to genera and species in their various groups such as Foraminifera, Anthozoa, Pelecypoda, etc. Terminology of the types follows generally accepted usage—holotypes, paratypes, lectotypes, paralectotypes, syntypes, neotypes, and hypotypes. The latter may include any described specimen which does not fall into the preceding categories. When a new species has been based on a single specimen it has been listed as a holotype. Plaster replicas of type specimens in the collections of other institutions are included in this catalogue; to these the prefix "plasto" is added, and unless otherwise stated the registered numbers follow the letter "L".

Generic and specific names are listed in the form originally assigned by the authors, but subsequent changes in nomenclature have also been included. Cross references are given in such instances. References are also given to the more important papers by authors in which type material listed in this catalogue is referred to. The locality names and geological horizons are generally those as originally published, but where no doubt exists the geological horizons have been changed to present-day nomenclature.

Specimen numbers following the letters "F" and "MF", unless otherwise stated, represent actual specimens, while those with the prefix "AM" are thin sections and, when in parentheses following an "F" number, have been cut from that particular specimen.

Most of the type specimens in the collection of the Mining and Geological Museum, Sydney, were transferred to the Australian Museum about 25 years ago. These are now known by the Australian Museum Register numbers, but if the original number of a specimen was mentioned in literature it is also given in this catalogue with the new number. Type specimens which should be in the Australian Museum collections but are missing have been recorded as such. Many are possibly in the Mining Museum collection and will eventually be found. With a few exceptions all figured specimens have been checked with the published illustrations, and other listed type material has been located and examined.

The writer is deeply indebted to Mr J. A. Mahoney, of the Department of Geology and Geophysics, University of Sydney, in compiling the list of type specimens of fossil mammals. Mr Mahoney provided information from an almost completed manuscript of a paper by himself and Dr W. D. L. Ride to be entitled "Index to the Genera and Species of Fossil Mammalia described from Australia and New Guinea between 1838 and 1968 (including citations of type specimens and primary type specimens)". The paper, when published, should be consulted for additional information on mammalian type specimens in the Australian Museum. A considerable number of mammalian casts in the collection are excluded from the list, as it is not possible at this time to determine which of the specimens listed in Lydekker, 1887 Catalogue of the fossil Mammalia in the British Museum (Natural History), are the originals. Also some specimens on loan are possibly figured or mentioned specimens but this cannot be clarified at this juncture.

The writer also wishes to acknowledge the assistance given in the preparation of this catalogue by Miss Dorothy Jones, Museum Assistant in the Department of Palaeontology.

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PLANTAE

Thallophyta (Algae)

Eothrix alpina Lombard

Hypotypes AM. 5694*, AM. 5695.

Lovering, J., 1953. *Aust J. Sci.,* 15 (4), p. 171, fig 2. (AM. 5694), fig. 3 (AM. 5695).

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

* Specimen missing

Globochaete alpina Lombard

Hypotype AM. 5697.

Lovering, J., 1953. *Ibid.,* p. 171, fig. 1.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Acer subintegrilobum Ettingshausen

Holotype F. 51127.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 45, pl. 14, figs 1, 1a; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 159, pl. 14, figs 1, 1a.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

Acer subproductum Ettingshausen

Syntype F. 51332.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 17, pl. 9, fig. 9; trans- F. 51332), fig. 3 (missing*); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 158, pl. 14, figs. 2, 2a (F. 51332), fig. 3 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Alnus maccoyi Ettingshausen

Syntype F. 51124.

Ettingshausen, C., 1886. *Denkschr. Akad. Wis. Wien.,* 53, p. 17, pl. 9, fig. 9; translation: *Mem. geol Surv.* N.S.W., (1888), Pal. 2 (2), p. 109, pl. 9, fig. 9.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

Aneimites austrina Etheridge

Plastoholotype F. 4801.

Etheridge, R., 1888. *Proc. Linn. Soc. N.S.W.,* 3 (3), p. 1304, pl. 37, figs 1–2.

Lower Carboniferous: Near Mount Budge, Drummond Range, Central Queensland.

Aneimites ovata (McCoy)

Hypotypes (a) F. 35628, (b) F. 17497.

Dun, W. S., 1905. *Rec. geol. Surv. N.S.W.,* 8 (2), p. 159, pl. 22, fig. 3 (F. 35628); pl. 23, fig. 1 (F. 17497).

Carboniferous: (a) Paterson, (b) Sugarloaf Creek, Stroud, N.S.W.

See also *Rhacopteris inaequilatera* Feistmantel (non Göppert).

Annularia australis Feistmantel

Holotype (a) F. 35700; hypotypes (b) F. 35759, F. 35756.

Feistmantel, O., 1878–79, *Palaeontographica,* Suppl. Bd. 3 (2), p. 154, pl. 25, figs 5, 6, 6a; translation: *Mem. geol. Surv. N.S.W.,* (1890), Pal. 3 (2), p. 82, pl. 12, figs 1, 1a, 2 (F. 35700).

Etheridge, R., 1890. *Proc. Linn. Soc. N.S.W.,* 5 (1), p. 47, pl. 2, figs 1–2 (F. 35759); pl. 3, fig. 1 (F. 35756).

Permian (Greta Coal Measures): (a) Greta, (b) New Tunnel at Anvil Creek, near West Maitland, N.S.W.

Annularia ivini Walkom

Holotype F. 39534.

Walkom, A. B., 1941. *Rec. Aust. Mus.,* 21 (1), p. 43, pl. 8, figs 1–2.

Permian (Greta Coal Measures): Near Burning Mountain, Wingen, N.S.W.

Apocynocarpum sulcatum Ettingshausen

Holotype F. 51167.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 39, pl. 13, fig. 11; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 148, pl. 13, fig. 11.

Lower Tertiary: Witherden's Tunnel, Vegetable Creek, near Emmaville, N.S.W.

Apocynophyllum etheridgei Ettingshausen

Holotype F. 51326.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss Wien.,* 53, p. 31, pl. 4, fig. 4; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 49, pl. 4, fig. 4.

Tertiary (Oligocene): Dalton, near Gunning. N.S.W.

Apocynophyllum mackinlayi Ettingshausen

Syntypes F. 51219, F. 51142.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 38, pl. 13, fig. 6 (F. 51219), fig. 7 (F. 51142); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 147, pl. 13, fig. 6 (F. 51219), fig. 7 (F. 51142).

Lower Tertiary: Witherden's Tunnel, Vegetable Creek, near Emmaville, N.S.W

Apocynophyllum warburtoni Ettingshausen

Holotype F. 51172.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 38, pl. 13, fig. 8; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 146, pl. 13, fig. 8.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Aralia oxleyi Ettingshausen

Holotype F. 51130.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wein.*, 53, p. 42, pl. 13, fig. 25; translation:—*Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 153, pl. 13, fig. 25.

Lower Tertiary: Old Rose Valley Lead, Vegetable Creek, near Emmaville, N.S.W.

Aralia prisca Ettingshausen

Syntype F. 51158.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wein.*, 53, p. 41, pl. 13, fig. 23 (F. 51158), fig. 24 (missing*); translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 152, pl. 13, fig. 23 (F. 51158), fig. 24 (missing*).

Lower Tertiary: Old Rose Valley Lead, Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Araucaria fletcheri Selling

Holotype F. 51323.

Selling, O. H., 1950. *Svensk Bot. Tidskr.*, Bd. 44, H. 4, p. 557. pl. 1, figs 8–11.

Tertiary: Rocky River, near Uralla, N.S.W.

Araucarites (*Podozamites*) sp.

Figured specimen F. 25269.

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 190, pl. 8, fig. 5.

Jurassic: Bexhill, near Lismore, N.S.W.

Araucarites cutchensis Feistmantel

Hypotype F. 25269 (Orig. No. L. 14).

Walkom, A. B., 1919. *Ibid.*, 44 (1), p. 188, pl. 8, fig. 5.

Jurassic: Bexhill, near Lismore, N.S.W.

Araucarites (*Podozamites*) *gracilis* Arber

Hypotype F. 25236.

Walkom, A. B., 1919. *Ibid.*, 44 (1), p. 189, **pl. 8, fig. 2.**

Jurassic: Bexhill, near Lismore, N.S.W.

Archaeopteris howitti M'Coy

Hypotype F. 51185.

Dun, W. S., 1897. *Rec. geol. Surv. N.S.W.*, 5 (3), p. 120, pl. 11, figs 1–3.

Upper Devonian: Genoa River, County Auckland, N.S.W.

Archaeopteris wilkinsoni Feistmantel

Syntypes F. 35617, F. 35618.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (2), p. 148, pl. 24, fig. 3 (F. 35617), figs 4, 4a (F. 35618), pl. 7, fig. 1 (missing*); translation: *Mem. geol. Surv. N.S.W.*, (1890), Pal. 3 (2), p. 96, pl. 6, fig. 2 (F. 35617); pl. 10, fig. 1 (missing*), figs 2, 2a (F. 35618).

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Artocarpidium gregori Ettingshausen

Holotype F. 51161.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 26, pl. 10, figs 19–20; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 124, pl. 10, figs 19–20.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Artocarpidium stuarti Ettingshausen

Holotype F. 51328.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 24, pl. 3, fig. 5; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (1), p. 39, pl. 3, fig. 5.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Bairera cf. *multifida* Fontaine

Syntypes F. 35691, F. 35692.

Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 312, pl. 49, fig. 6 (F. 35692); pl. 50, figs 3–4 (missing*), fig. 5 (F. 35691).

Jurassic: Benolong, near Dubbo, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Bambusites arthrostylinus Ettingshausen

Holotype F. 51147.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 15, pl. 9, figs 1, 1a; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 105, pl. 9, figs 1, 1a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Banksia campbelli Ettingshausen

Holotype F. 51169.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 36, pl. 13, figs 4, 4a; translation: *Mem. geol. Surv. N.S.W.*, (1888) Pal. 2 (2), p. 143, pl. 13, figs 4, 4a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Banksia Iawsoni Ettingshausen

Holotype F. 51173.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 34, pl. 13, figs 1, 1a; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 139, pl. 13, figs 1, 1a.

Lower Tertiary: Vegetable Creek, N.S.W.

Banksia myricaefolia Ettingshausen

Holotype F. 51160.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 35, pl. 13, figs 3, 3a; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 141, pl. 13, figs 3, 3a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Blechnoxylon talbragarense Etheridge

Syntypes F. 6299, F. 6300. F. 6301; microslides AM. 120, AM, 152.

Etheridge, R., 1899. *Rec. Aust. Mus.*, 3 (6), p. 135, pl. 24, fig. 1 (F. 6299), fig. 2 (F. 6300), fig. 3 (missing), fig. 4 (F. 6300), fig. 7 (F. 6299), fig. 9 (F. 6300); pl. 25, fig. 5 (missing); pl. 26, fig. 6 (F. 6299), fig. 8 (missing), figs 10–11 (AM. 120), fig. 17 (missing); pl. 27, figs 12–15 (AM. 152), fig. 16 (missing).

Permian (Illawarra Coal Measures): Talbragar district, between Gulgong and Cockabutta, County Bligh, N.S.W.

Bombax mitchelli Ettingshausen

Holotype F. 51098.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 38, pl. 6, fig. 2; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (1), p. 61, pl. 6, fig. 2.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Bombax sturtii Ettingshausen

Holotype F. 51329.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 38, pl. 6, fig. 1; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (1), p. 60, pl. 6, fig. 1.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Boronia hookeri Ettingshausen

Holotype F. 51129.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 49, pl. 14, figs 19, a, b; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 166, pl. 14, figs 19, a, b.

Lower Tertiary: Fox and Partridge's claim, between Rose Valley and the Red Hill, 2 miles from Emmaville (Vegetable Creek Township), N.S.W.

Brachyphyllum (?) *australe* Feistmantel

= *Walkomiella australis* (Feistmantel).**

Syntype F. 35786.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (1), p. 97, pl. 7, figs 3–6 (missing*); pl. 17, fig. 1 (F. 35786); translation: *Mem. geol. Surv. N.S.W.*, (1890), Pal. 3 (2), p. 162, pl. 15, fig. 4 (missing*); pl. 22, fig. 1 (missing*), fig. 2 (F. 35786).

Permian (Illawarra Coal Measures): Bowenfels, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

** See Florin, R., 1939–45, *Palaeontographica*, Band 85 B, Abt B, pp. 457–654.

Calamites (*Archaeocalamites*) *radiatus* Brongniart.

Hypotype F. 35630.

Feistmantel, O., 1878–79. *Palaeontograpica*, Suppl. Bd 3 (2), p. 144, pl. 24, fig. 1 (missing*); pl. 25, fig. 3 (missing*), fig. 4 (F. 35630); translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 83, pl. 3, fig. 1 (F. 35630), figs 2–3 (missing*).

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Callistemophyllum hackii Ettingshausen

Holotype F. 51157.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 52, pl. 15, figs 20, 20a; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 172, pl. 15, figs 20, 20a.

Lower Tertiary: Vegetable Creek, N.S.W.

Callistemophyllum obliquum Ettingshausen

Holotype F. 51152.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 53, pl. 15, fig. 19; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 173, pl. 15, fig. 19.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Cardiopteris polymorpha Goeppert

Hypotypes F. 35631, F. 35632, F. 35633, F. 35634.

Dun, W. S., 1899. *Rec. geol. Surv. N.S.W.* 6 (2), p. 107, pl. 15, fig. 1 (F. 35633), fig. 2 (F. 35634), fig. 3 (F. 35631), fig. 4 (F. 35632), fig. 5 (missing*).

Lower Carboniferous: Paterson, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Carpolithes amaranthaceus Ettingshausen

Syntype F. 51116.**

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 57, pl. 15, figs 31–32

(missing*), fig. 32a (F. 51116); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 180, pl. 15, figs 31–32 (missing*), fig. 32a (F. 51116).

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

** Slab containing two specimens.

Carpolithes wetherellioides Ettingshausen

Holotype F. 51116.*

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 58, pl. 15, figs. 36–37; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 181, pl. 15, figs 36–37.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

* Slab containing two specimens.

Castanopsis benthami Ettingshausen

Holotype F. 51330.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 22, pl. 2, fig. 10; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 36, pl. 2, fig. 10.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Celastrus praeeuropaeus Ettingshausen

Holotype F. 51151.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 47, pl. 14, fig. 9; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 162, pl. 14, fig. 9.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Ceratopetalum gilesii Ettingshausen

Syntype F. 51162.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 44, pl. 13, fig. 15 (missing*), figs 16, 16a (F. 51162): translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 156, pl. 13, fig. 15 (missing*), figs 16, 16a (F. 51162).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Cinnamomum leichhardtii Ettingshausen

Holotype F. 51122.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 25, pl. 3, fig. 1; translation: *Mem. geol. Surv. N.S.W.*, Pal. 2 (1), p. 41, pl. 3, fig. 1.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Cinnamomum polymorphoides McCoy

Hypotype F. 51096.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wein.*, 47, p. 25, pl. 3, fig. 2; translation: *Mem. Geol. Surv. N.S.W.*, (1888), Pal. 2 (1), p. 40, pl. 3, fig. 2.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Cladophlebis australis (Morris)

Hypotype F. 25256, (Orig. No. L. 24).

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 185, pl. 7, fig. 1.

Jurassic: Bexhill, near Lismore, N.S.W.

Cladophlebis cf. *roylei* Arber.

Hypotype F. 35635.

Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 312, pl. 49, fig. 3.

Jurassic: Benolong, near Dubbo, N.S.W.

Cladophlebis roylei var. *murtoni* Dun.

Holotype F. 35661.

Dun, W. S., 1909. *Ibid.*, 8 (4), p. 313, pl. 49, fig. 5.

Jurassic: Benolong, near Dubbo, N.S.W.

Coniopteris hymenophylloides var. *australica* Seward

Hypotypes F. 25261 (Orig. No. L. 26), F. 25266 (Orig. No. L. 10), F. 25259 (Orig. No. L. 33).

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 183, pl. 7, fig. 2 (F. 25266), fig. 3 (F. 25261), fig. 4 (F. 25259).

Jurassic: Bexhill, near Lismore, N.S.W.

Cordaites australis M'Coy

Hypotype F. 51184.

Dun, W. S., 1897. *Rec. geol. Surv N.S.W.*, 5 (3), p. 121, pl. 11, fig. 8.

Devonian: Genoa River, County Auckland, N.S.W.

Cupanites selwyni Ettingshausen

Holotype F. 51422.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 46, pl. 14, figs 12, 12a; translation: *Mem geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 161, pl. 14, figs 12, 12a.

Tertiary: Vegetable Creek, N.S.W.

(?) *Cycadites* sp.

Figured specimen F. 25243 (Orig. No. L. 27).

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 187, pl. 7, fig. 5.

Jurassic: Bexhill, near Lismore, N.S.W.

Cycadopteris scolopendrina Ratte

Holotype F. 1549, hypotype F. 35645.

Ratte, F., 1887. *Ibid.*, 1 (4), p. 1081, pl. 16, fig. 5 (F. 1549).

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.*, 1 (2), p. 145, pl. 23 (F. 35645).

Upper Triassic (Wianamatta Group): Harber's Brickworks, Alexandria, near Sydney, N.S.W.

Cyclostigma sp.

Figured specimen F. 35646.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd 3 (1), p. 70, pl. 1, figs 6, 6a; translation: *Mem. geol. Surv. N.S.W.*, (1890), Pal. 3 (2), p. 142, pl. 2, fig. 7.

Lower Carboniferous: Goonoo Goonoo, N.S.W.

Cyclostigma australe Feistmantel

Syntype F. 35644.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (1), p. 75, pl. 4, figs 3, 3a (F. 35644); pl. 5, fig. 1 (missing*); Bd. 3 (2), p. 150, pl. 22, fig. 1 (missing*); translation: *Mem. geol. Surv. N.S.W.*, (1890), Pal. 3 (2), p. 142, pl. 11, figs 2, 2a (F. 35644), figs 3–4 (missing*).

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Dacrydium cupressinoides Ettingshausen

Syntype F. 51137.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 13, pl. 8, figs 23 (missing*), fig. 24 (F. 51137); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 101, pl. 8, fig. 23 (missing*), fig. 24 (F. 51137).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Dadoxylon farleyensis Walkom

Holotype thin-sections AM. 5573–77.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.*, 53 (3), p. 261, pl. 22, fig. 4 (AM. 5573), fig. 5 (AM. 5576), figs 6–7 (AM. 5573), fig. 8 (?), fig. 9 (AM. 5577); pl. 23, fig. 1 (AM. 5575), fig. 2 (AM. 5574), fig. 3 (?).

Permian (Farley Formation): near Farley, N.S.W.

Dalbergia diemenii Ettingshausen

Holotype F. 51095.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 42, pl. 6, fig. 16: translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (1), p. 68, pl. 6, fig. 16.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Dalbergiophyllum affine Ettingshausen

Syntype F. 51149.

Ettingshausen, C., 1886. *Derkschr. Akad. Wiss. Wien.*, 53, p. 54, pl. 15, fig. 21 (F. 51149), fig. 22 (missing*).

Lower Tertiary: Between Hill and Watson's Shaft, Emmaville (Vegetable Creek Township), N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Dammara intermedia Ettingshausen

Syntypes F. 51139, F. 51150, F. 51165, F. 51171, F. 51216.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien*, 53, p. 11, pl. 8, fig. 34 (F. 51139), figs 35, 35a (F. 51216), fig. 36 (F. 51150), fig. 37 (F. 51165), fig. 38 (F. 51171); translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 98, pl. 8, fig. 34 (F. 51139), figs 35, 35a (F. 51216), fig. 36 (F. 51150), fig. 37 (F. 51165), fig. 38 (F. 51171).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Dammara podozamioides Ettingshausen

Syntype F. 51131.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien*, 53, p. 12, pl. 8, fig. 39 (missing*), fig. 40 (F. 51131); translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 99, pl. 8, fig. 39 (missing*), fig. 40 (F. 51131).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Dicroidium odontopteroides (Morris)

See *Thinnfeldia odontopteroides* Morris.

Diemenia perseaefolia Ettingshausen

Holotype F. 51117.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien*, 53, p. 28, pl. 11, fig. 6; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 128, pl. 11, fig. 6.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

Dolichites coriaceus Ettingshausen

Holotype F. 51121.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien*, 53, p. 54, pl. 15, fig. 24; translation: *Mem. geol. Surv. N.S.W.*, (1888), Pal. 2 (2), p. 175, pl. 15, fig. 4.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Dryandra praeformosa Ettingshausen

Syntype F. 51173.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 37, pl. 12, fig. 16, 16a (missing*), fig. 17 (F. 51173); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 143, pl. 12, fig. 16, 16a (missing*), fig. 17 (F. 51173).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Dryophyllum howitti Ettingshausen

Holotype F. 51218.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 21, pl. 10, figs 1, a-b; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2, (2), p. 116, pl. 10, figs 1, a-b.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Elaeocarpus muelleri Ettingshausen

Syntype F. 51168.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 44, pl. 14, fig. 4 (missing*), fig. 5, 5a (F. 51168); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 157, pl. 14, fig. 4 (missing*), fig. 5, 5a (F. 51168).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Elatocladus australis Frenguelli

Hypotypes F. 50190–3.

Townrow, J. A., 1967. *Pap. Proc. R. Soc. Tasm.,* 101, p. 121, text fig. 2E (*), fig. 3B (F. 50192).

Formation and locality unknown.

* Number of figured specimen not quoted.

Elatocladus planus Feistmantel

Mentioned specimens F. 38830–1.

Townrow, J. A., 1967. *Ibid.,* p. 121.
Jurassic: Talbragar, N.S.W.

Equisetum sp.

Figured specimen F. 1636.

Etheridge, R., 1890. *Proc. Linn. Soc. N.S.W.,* 5 (3), p. 445, pl. 17, Middle Triassic (Hawkesbury Sandstone): North Shore, Port Jackson, N.S.W.

Eucalyptus hayi Ettingshausen

Syntypes F. 51106, F. 51102.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 52, pl. 15, fig. 4 (F. 51106), figs 5, 5a (F. 51102); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 171, pl. 15, fig. 4 (F. 51106), figs 5, 5a (F. 51102).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Eucalyptus houtmanni Ettingshausen

Holotype F. 51099.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 52, pl. 15, figs 3, 3a; (translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 171, pl. 15, figs 3, 3a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Eucalyptus mitchellii Ettingshausen

Syntypes F. 51100, F. 51101

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 51, pl. 15, fig. 6 (F. 51100), figs 7, 7a, b (F. 51101); fig. 8 (missing*); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 169, pl. 15, fig. 6 (F. 51100), figs 7, 7a, b (F. 51101), fig. 8 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Fagus benthami Ettingshausen

Syntype F. 51119.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 23, pl. 10, fig. 8 (missing*), figs 9, 9a (F. 51119); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 119, pl. 10, fig. 8 (missing*), figs 9, 9a (F. 51119).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Fagus hookeri Ettingshausen

Syntypes F. 51156, F. 51153—counterpart F. 51217.

Ettingshausen, C. 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 23, pl. 10, fig. 10 (F. 51156), figs 11, 11a (F. 51153); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 118, pl. 10, fig. 10 (F. 51156)), figs. 11, 11a (F. 51153).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Fagus muelleri Ettingshausen

Syntypes F. 51220, F. 51163, F. 51135, F. 51246, ? F. 5123.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 22, pl. 10, fig. 3 (F. 51220), fig. 4 (F. 51163), fig. 5 (F. 51135), fig. 6 (? F. 5123), figs 7, 7a, (F. 51246); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 117, pl. 10, fig. 3 (F. 51220), fig. 4 (F. 51163), fig. 5 (F. 51135), fig. 6 (? F. 5123), figs 7, 7a (F. 51246).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Fagus wilkinsoni Ettingshausen

Holotype F. 51327.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 47, p. 20, pl. 2, fig. 1; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (1), p. 32, pl. 2, fig. 1.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Ficonium solandri Ettingshausen

Holotype F. 51093.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 47, p. 24, pl. 3, fig. 4; translation: *Mem. geol. Surv., N.S.W.,* (1888). Pal. 2 (1), p. 38, pl. 3, fig. 4.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Ficus solanderi Ettingshausen

Holotype F. 51145.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 25, pl. 10, figs 17, 17a; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 122, pl. 10, figs 17, 17a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Gangamopteris walkomii Rigby

Holotype F. 43563 (counterpart F. 43562): paratypes F. 43564; F. 43528 (counterpart F. 43529), F. 43535, F. 43584, F. 43587, F. 43531, F. 43568, F. 43586, F. 43588; mentioned specimen F. 43590.

Rigby, J. F., 1967. *Rec. Aust. Mus.,* 27 (8), p. 175, text fig. 1 (F. 43528), pl. 25, fig. 1 (F. 43535), fig. 2 (F. 43529), fig. 3*, figs 4–5 (F. 43562), fig. 6 (F. 43535), fig. 7 (F. 43563), fig. 8 (F. 43564), fig. 9 (F. 43562); pl. 26, fig. 10 (F. 43584), fig. 11 (F. 43587), fig. 12 (F. 43531), fig. 13 (F. 43568), fig. 14 (F. 43586), fig. 15 (F. 43588), fig. 16 (F. 43563); pl. 27, fig. 17 (F. 43528), fig. 18 (F. 43586), fig. 19 (F. 43528), fig. 20 (F. 43529).

Permian (Illawarra Coal Measures): Duncan's Pass, Narrow Neck, near Katoomba, N.S.W.

* *Glossopteris* ? *angustifolia* Brongniart. No. 582 in collection of Mining Museum, Sydney.

Ginkgocladus australiensis Ettingshausen

Holotype F. 51146.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 14, pl. 8, fig. 32; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 103, pl. 8, fig. 32.

Lower Tertiary: Fox and Partridge's claim, between Rose Valley and the Red Hill, 2 miles from Emmaville (Vegetable Creek township), N.S.W.

Glossopteris sp.

Figured specimen F. 48138.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.,* 53 (5), p. 561, pl. 36, fig. 3 (missing), fig. 4 (F. 48138).

Permian (Newcastle Coal Measures): Dudley, near Newcastle, N.S.W.

Glossopteris ? *ampla* Dana

Syntype F. 26063.

Etheridge, R., 1903. *Rec. Aust. Mus.,* 5 (1), p. 46, fig. 3.

Permian (Newcastle Coal Measures): Shale above the Victoria Tunnel Coal Seam, Shepherd's Hill, Newcastle, N.S.W.

Glossopteris angustifolia Brongniart

Hypotype F. 48110.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.,* 53 (5), p. 557, text figures 3, 3a.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris angustifolia var. *taeniopteroides* Seward

Hypotypes F. 48112, F. 48111.

Walkom, A. B., 1928. *Ibid.,* 53 (5), p. 557, text figures 4, 4a–b (F. 48111), text figures 5, 5a (F. 48112).

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris browniana Brongniart

Hypotype F. 48108.

Walkom, A.B., 1928. *Ibid.,* 53 (5), p. 555, text figures 1, 1a.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris browniana var. *praecursor* Feistmantel

Syntypes F. 35746, F. 35745.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (2), p. 79, pl. 5, figs 5, 5a (F. 35746), fig. 6 (missing*), fig. 7 (F. 35745); translation: *Mem. geol. Surv. N.S.W.* (1890). Pal. 3 (2), p. 122, pl. 13, figs 5, 5a (F. 35746), fig. 6 (missing*), fig. 7 (F. 35745).

Permian (Greta Coal Measures): Stony Creek, near West Maitland, N.S.W.

*Possibly in collection of Mining Museum, Sydney.

Glossopteris conspicua Feistmantel

Hypotypes F. 48113, F. 48114.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.,* 53 (5), p. 558, text figures 6, 6a–b (F. 48113), text figure 7 (F. 48114).

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris indica Schimper

Hypotype F. 48109.

Walkom, A. B., 1928. *Ibid.*, 53 (5), p. 555, text figures 2, 2a.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris cf. *linearis* (McCoy)*

Figured specimen F. 48156.

Etheridge, R., 1894. *Ibid.* (2nd Ser.), 9 (2), p. 228, plates 18 and 19.

Permian (Illawarra Coal Measures): Wollar Road, 17 miles from Mudgee, N.S.W.

*Specimens showing mode of attachment of leaves to the caudex.

Glossopteris (?) *mitchelli* Walkom

Holotype F. 48116.

Walkom, A. B., 1928. *Ibid.*, 53 (5), p. 559, text figs 9, 9a.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Glossopteris primaeva Feistmantel

Holotype F. 35698–9 (portions of a single specimen).

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (2), p. 79, pl. 5, figs 3, 3a; translation: *Mem. geol. Surv. N.S.W.,* (1890), Pal. 3 (2), p. 127, pl. 13, figs 3, 3a.

Permian (Greta Coal Measures): Greta, N.S.W.

Glossopteris spathulato-cordata Feistmantel

Hypotype F. 48115.

Walkom, A. B., 1928. *Proc. Linn. Soc.* N.S.W., 53 (5), p. 559, text figs 8a–b.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Hakea duttoni Ettingshausen

Holotype F. 51159.

Ettinghausen, C., 1886, *Denkschr. Akad. Wiss. Wien,* 53, p. 31, pl. 12, figs 11, 11a; translation: *Mem. geol. surv. N.S.W.* (1888), Pal. 2 (2), p. 133, pl. 12, figs 11, 11a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Heterocladiscos thujoides Ettingshausen

Syntypes, F. 51134, F. 51136.

Etingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 53, p. 10, pl. 8, figs 5, 5a (F. 51134), fig. 6 (mislaid*), figs 7, 7a (F. 51136); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 96, pl. 8, figs 5, 5a (F. 51134), fig. 6 (mislaid*), figs 7, 7a (F. 51136).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

*Possibly in collection of Mining Museum, Sydney.

Jeanpaulia (?) *palmata* Ratte

= *Salisburia palmata* Ratte.

Holoytpe F. 1557.

Ratte, F., 1886. *Proc. Linn. Soc. N.S.W.* 1 (2) (2nd Ser.), p. 1078, pl. 17.

Ratte, F., 1888. *Ibid.,* 2 (1) (2nd Ser.), p. 137.

Upper Triassic (Wianamatta Group): Barber's Brickworks, Alexandria, near Sydney, N.S.W.

Laurus australiensis Ettingshausen

Holotype F. 51327.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 47, p. 27, pl. 4, fig. 1 (F. 51327); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 43, pl. 4, fig. 1 (F. 51327).

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Lepidodendron australe M'Coy

= *Leptophloeum australe* (M'Coy).**

Hypotype F. 51013.

David, T. W. E., and Pittman, E. F., 1893. *Rec. geol. Surv. N.S.W.,* 3 (4), p. 194, pl. 17, fig. 1 (F. 51013), figs 2–4 (missing*).

Upper Devonian: Mt Lambie, near Rydal, N.S.W.

*Possibly in collection of Mining Museum, Sydney.

***See* Walton, J., 1926. *Mem. Proc. Manchr. lit. phil. Soc.,* 70, pp. 113–118.

Lepidodendron cf. *dichotomum* Sternberg

Hypotype F. 35639.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (2), p. 151, pl. 6, fig. 5; translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 139, pl. 6, fig. 4.

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

Lepidodendron nothum Unger

Hypotypes (a) F. 35638; (b) F. 35643.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (1), p. 69, pl. 1, figs 1–3 (missing*), fig. 4 (F. 35638), fig. 5 (missing*); pl. 14, figs 6–8 (missing*); Bd. 3 (2), p. 141, pl. 19, fig. 1 (F. 35643), fig. 2 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 137, pl. 1, figs 1–3 (missing*), fig. 4 (F. 35638); pl. 2, fig. 1 (missing*), fig. 2 (F. 35643), figs 3–6* (missing*).

Lower Carboniferous: (a) Goonoo Goonoo, Peel River; (2) Barrington River, N.S.W. Sydney.

*Possibly in collection of Mining Museum, Sydney.

Lepidodendron veltheimianum Sternberg

Hypotypes F.35637, F.35641, F.35642.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (1), p. 77, pl. 5, fig. 2 (missing*); Bd. 3 (2), pp. 151–152, pl. 23, fig. 2 (F.35641**), fig. 3 (F.35642**); pl. 25, fig. 2 (F.35637); translation: *Mem. Geol. Surv. N.S.W.* (1890), Pal. 3 (2), pp. 139–140, pl. 10, fig. 4 (F.35637), fig. 5 (missing*), fig. 6 (F.35641**), fig. 7 (F.35642**).

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

* *Lepidodendron veltheimianum* Stbg. (*L. rimosum* Corda.), possibly in collection of Mining Museum, Sydney.

** Knorria state of the above species (?).

Lepidodendron volkmannianum Sternberg

Hypotype F. 35636.

Kidston, R., 1889. *Rec. Geol. Surv. N.S.W.,* 1 (2), p. 114, pl. 5, figs 1–2.

Lower Carboniferous (?): Goonoo Goonoo, N.S.W.

Lepidopteris madagascariensis Carpentier

Hypotype F. 51726, F. 51727, F. 51728, F. 51729, F. 51730, F. 51731; slides AM. 6398, AM. 6399, AM. 6400, AM. 6401, AM. 6402.

Townrow, J. A., 1965. *J. Proc. R. Soc. N.S.W.,* 98 (4), pp. 203–213, pl. 1, fig. 1 (F. 12694*), figs 2–3 (AM. 6400); text fig. 1A (F. 51726), 1C (F. 51728), 1D (F. 51730), 1F (F. 51729), 1G (F. 51727); text fig. 2C (AM. 6402); text fig. 3A (F. 51729), 3B (F. 378*), 3D (AM. 6399), 3F (AM. 6402); text fig. 4A (F. 378*), 4C (AM. 6401), 4E (F. 12694*).

Lower Triassic (Narrabeen Group): Turrimetta Head, south side 200 yards from end of beach at high water mark, N.S.W.

* Specimens in collection of Mining Museum, Sydney.

Lomatia brownii Ettingshausen

Syntype F. 51154.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 32, pl. 12, fig. 4 (F. 51154), fig. 5 (missing*); translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), pl. 135, pl. 12, fig. 4 (F. 51154), fig. 5 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Lomatia evansii Ettingshausen

Holotype F. 51132.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 34, pl. 12, figs 6, 6a; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 138, pl. 12, figs 6, 6a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Macrotaeniopteris wianamattae Feistmantel

Holotype F. 35656.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (1), p. 107, pl. 13, fig. 2; translation: *Mem. Geol. Surv. N.S.W.* (1890), 3 (2), p. 116, pl. 27, fig. 1 (missing*), fig. 2 (F. 35656).

Upper Triassic (Wianamatta Group): Gib Tunnel, near Bowral, N.S.W.

* This specimen not figured in *Palaeontographica* (1878–79), possibly in collection of Mining Museum, Sydney.

Molongia brownii Ettingshausen

Holotype F. 51329.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 47, p. 37, pl. 5, fig. 7; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 59, pl. 5, fig. 7.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Magnolia torresii Ettingshausen

Holotype F. 51092.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien,* 47, p. 38, pl. 5, fig. 8; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (1); p. 60, pl. 5, fig. 8.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Maitaia podocarpoides (Ettingshausen)

Hypotype F. 51956.

Townrow, J. A., 1967. *Pap. Proc. R. Soc.* Tasm., 101, p. 129, text fig. 11E.

Middle Jurassic: Plant Gully, Clent Hills, Canterbury Province, New Zealand.

Malpighiastrum babbagei Ettingshausen

Holotype F. 51126.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 46, pl. 14, fig. 14; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 160, pl. 14, fig. 14.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

Microphyllopteris pectinata (Hector)

Hypotypes F. 25268 (Orig. No. L3), F. 25245 (Orig. No. L1).

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.,* 44 (1), p. 186, pl. 8, fig. 1 (F. 25268), fig. 4 (F. 25245).

Jurassic: Bexhill, near Lismore, N.S.W.

Monimia vestita Ettingshausen

Holotype F. 51097.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 26, pl. 11, fig. 10; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 124, pl. 11, fig. 10.

Lower Tertiary: Witherden's Tunnel, 2 mile, near Emmaville (Vegetable Creek Township), N.S.W.

Myrtonium lanceolatum Ettingshausen

Holotype F. 51173.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 54, pl. 15, figs 13, 13a; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 175, pl. 15, figs 13, 13a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Myrtonium obtusifolium Ettingshausen

Syntypes F. 51173, F. 51138.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 53, pl. 14, fig. 20 (missing*); pl. 15, fig. 14 (F. 51173), figs 15, 15a (F. 51138); translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 174, pl. 14, fig. 20 (missing*); pl. 15, fig. 14 (F. 51173), figs 15, 15a (F. 51138).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Olea macintyrei Ettingshausen

Holotype F. 51105.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien,* 53, p. 37, pl. 13, fig. 21; translation: *Mem. Geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 145, pl. 13, fig. 21.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Oleandridium lenticuliforme Etheridge

Syntype F. 35647.

Etheridge, R., 1894. *Rec. Geol. Surv. N.S.W.,* 4 (2), p. 49, pl. 8, fig. 1 (F. 35647), fig. 2–3 (missing*).

Lower Triassic (Narrabeen Group): Near Gosford Railway Station, N.S.W.

Ovopteris alata (Brongniart)

Hypotype F. 35694.

Dun, W. S., 1898. *Ibid.,* 6 (1), p. 48, pl. 6, fig. 1.

Permian (Greta Coal Measures): Leconfield, N.S.W.

Palaeocladus cuneiformis Ettingshausen

Holotype F. 51144.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 13, pl. 8, figs 33, 33A; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 101, pl. 8, figs 33, 33A.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Pecopteris (?) *obscura* Dun

Syntypes F. 51179, F. 51180, F. 51181, F. 51182.

Dun, W. S., 1897. *Rec. geol. Surv. N.S.W.,* 5 (3), p. 118, pl. 10, fig. 1 (F. 51179), fig. 2 (F. 51180); pl. 11, fig. 6 (F. 51181), fig. 7 (F. 51182).

Devonian: Genoa River, County Auckland, N.S.W.

Persoonia murrayi Ettingshausen

Syntype F. 51170.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wein.,* 53, p. 30, pl. 11, fig. 16 (missing*), figs 17, 17A (F. 51170); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 131, pl. 11, fig. 16 (missing*), figs 17, 17A (F. 51170).

Lower Tertiary: Vegetable Creek, Near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Phlebopteris alethopteroides Etheridge

Holotype F. 358; hypotype F. 35659.

Etheridge, R., 1888. *Proc. Linn. Soc. N.S.W.,* 3 (3), p. 1306, pl. 38, figs 1–2 (F. 358).
Etheridge, R., 1889, *Ibid.,* 4 (3), p. 625, text fig. 1 (F. 35659).

Triassic (Ipswich Coal Measures): Darling Downs, near Toowoomba, Queensland.

Phyllocladus asplenioides Ettingshausen

Syntypes F. 51133, F. 51178, F. 51164, F. 51140.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 14, pl. 8, fig. 28 (F. 51133), fig. 29 (F. 51178), fig. 30 (F. 51164), fig. 31 (F. 51140); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 103, pl. 8, fig. 28 (F. 51133), fig. 29 (F. 51178), fig. 30 (F. 51164), fig. 31 (F. 51140).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Phyllotheca ? sp.

Figured specimens F. 50941, F. 50940, F. 50939.

Etheridge, R., 1895. *Rec. geol. Surv. N.S.W.,* 4 (4), pp. 148–154, pl. 17, figs 1–5 (missing*), fig. 6 (F. 50941), figs 7–9 (missing*); pl. 18, figs 1–2 (missing*), fig. 3 (F. 50940), fig. 4 (F. 50939), fig. 5 (missing*).

Permian (Newcastle Coal Measures): Shepherd's Hill, Newcastle, N.S.W.

* Possibly in collection of Mining Museum Sydney.

Phyllotheca (Cone-like strobili attached to a *Phyllotheca*-like foliage)

Figured specimens F. 14240, F. 14241, F. 14242, F. 14243, F. 14244, F. 14245, F. 14246.

Etheridge, R., 1901. *Rec. Aust. Mus.,* (4) (1), p 1, pl. 1, figs 1–3, (F. 14240), fig. 4 (F. 14241), fig. 5 (F.14242); pl. 2, fig. 1 (F. 14243), fig. 2 (F. 14244), figs 3–4 (F. 14245), fig. 5 (F. 14246).

Permian (Newcastle Coal Measures): Shepherd's Hill, Newcastle, N.S.W.

Phyllotheca australis Brongniart

Hypotype F. 51183.

Feistmantel, O., 1878–79. *Palaeontographica,* Suppl. Bd. 3 (1), p. 83, pl. 6, fig. 3 (F. 51183); pl. 7, figs 1–2 (missing*); pl. 15, figs 1–2 (missing*); translation: *Mem. geol. Surv. N.S.W.,* (1890), Pal. 3 (2), p. 79, pl. 14, fig. 1 (missing*), fig. 2 (F. 51183), figs 3–5 (missing*).

Permian (Newcastle Coal Measures): Newcastle, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

cf. *Phyllotheca robusta* Feistmantel

Figured specimen F. 52170 (counterpart of F. 3107*).

Walkom, A.B., 1932. *Proc. Linn, Soc. N.S.W.,* 57 (3–4), p. 124, pl. 5, fig. 3.

Lower Triassic (Narrabeen Group): Clarence Siding, N.S.W.

* Specimen F. 3107 possibly in collection of Mining Museum, Sydney.

Piper feistmanteli Ettingshausen

Holotype F. 51125.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 16, pl. 9, fig. 4; translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 106, pl. 9, fig. 4.

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

Pitys (?) *sussmilchi* Walkom

Figured specimens AM. 5583, AM. 5585, AM. 5586.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.,* 53 (3), p. 260, pl. 22, fig. 1 (AM. 5586), fig. 2 (AM. 5583), fig. 3 (AM. 5585).

Carboniferous (Kuttung Series): Welshman's Creek, Wallarobba, N.S.W.

Plantae incertae sedis.

See cf. *Phyllotheca robusta* Feistmantel.

Podocarpus praecupressina Ettingshausen

Syntype F. 51245.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 12, pl. 8, fig. 25 (missing*), figs. 26, 26A (F. 51245), fig. 27 (missing*); translation: *Mem. geol. Surv. N.S.W.,* (1888), Pal. 2 (2), p. 99, pl. 8, fig. 25 (missing*), figs 26, 26A (F. 51245), fig. 27 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Pomaderris banksii Ettingshausen

Syntype F. 51123.

Ettingshausen, C., 1886. *Denkschr. Akad, Wiss. Wien.,* 53, p. 48, pl. 14, fig. 8 (missing*); pl. 15, figs 1, 1a (F. 51123), fig. 2 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (3), p. 165, pl. 14, fig. 8 (missing*); pl. 15, figs 1, 1a (F. 51123), fig 2 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville.

* Possibly in collection of Mining Museum, Sydney.

Pseudopinus wilkinsoni Ettingshausen

Syntype F. 51148.

Ettingshausen, C., 1886. *Denkschr. Akad, Wiss. Wien.,* 53, p. 10, pl. 8, figs 12–15 (missing*), fig. 16 (F. 51148), figs 17–18 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 97, pl. 8, figs 12–15 (missing*), fig. 16 (F. 51148), figs 17–18 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Pteris humei Ettingshausen

Syntypes F. 51327, F. 51103.

Ettingshausen, C., 1883. *Denkschr. Akad, Wiss. Wien.,* 47, p. 12, pl. 1, figs 1–2 (missing*), figs 3, 3a (F. 51327), fig. 4 (F. 51103), figs 5–6 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 18, pl. 1, figs 1–2 (missing*) figs 3, 3a (F. 51327), fig. 4 (F. 51103) figs 5–6 (missing*).

Tertiary (Oligocene): Dalton, near Gunning. N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Quercus austini Ettingshausen

Syntype F. 51141.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.,* 53, p. 19, pl. 9, fig. 11 (F. 51141), fig. 12 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 112, pl. 9, fig. 11 (F. 51141), fig 12 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Quercus dampieri Ettingshausen

Holotype F. 51120.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 20, pl. 9, figs 15, 15a; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 114, pl. 9, figs 15, 15a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Quercus darwinii Ettingshausen

Holotype F. 51327.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, pl. 2, fig. 3; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 30, pl. 2, fig. 3.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Quercus drymejoides Ettingshausen

Holotype F. 51128.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 17, pl. 2, fig. 2; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 28, pl. 2, fig. 2.

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Quercus hapaloneuron Ettingshausen

Syntype F. 51143.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.*, 53, p. 19, pl. 9, fig. 20 (F. 51143), fig. 21 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 113, pl. 9, fig. 20 (F. 51143), fig. 21 (missing*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Quercus hookeri Ettingshausen

Syntypes F. 51091, F. 51331.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 16, pl. 2, fig. 5 (F. 51091), fig. 6 (F. 51331); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 25, pl. 2, fig. 5 (F. 51091), fig. 6 (F. 51331).

Tertiary (Oligocene): Dalton, near Gunning, N.S.W.

Quercus praephilippinensis Ettingshausen

Holotype F. 51095.

Ettingshausen, C., 1883. *Denkschr. Akad. Wiss. Wien.*, 47, p. 17, pl. 2, fig. 7; translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (1), p. 27, pl. 2, fig. 7.

Tertiary (Oligocene): Dalton, near Gunning N.S.W.

Quercus wilkinsoni Ettingshausen

Holotype F. 51221.

Ettingshausen, C., 1886. *Denkschr. Akad Wiss Wien.*, 53, p. 18, pl. 9, figs 16, 16a translation: *Mem. geol. Surv. N.S.W* (1888), Pal. 2 (2), p. 110, pl. 9, figs 16 16a.

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

Rhacopteris inaequilatera (Göppert)

= *Aneimites ovata* (M'Coy).

(a) Hypotypes F. 35626, F. 35622, F. 35624, F. 35623, F. 35758; (b) F. 35621.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd 3 (1), p. 74, pl. 2, figs 3, 3a (F. 35623); pl. 3, fig. 1 (F. 35621), fig. 2 (F. 35622); pl. 4, figs 1–2 (missing*): Bd. 3 (2), p. 145, pl. 19, fig. 3 (F. 35624), fig. 4 (F. 35626); pl. 20, figs 1 & 3 (missing*); pl. 21, figs 1, 1a (F. 35758), figs 2–3 (F. 35625); pl. 22, figs 2–3 (missing*); pl. 23, figs 4–5 (missing*); pl. 24, fig 2 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 97, pl. 3, fig. 4 (missing*); pl. 4, fig. 1 (F. 35626), figs 2–5 (missing*), fig 6 (F. 35624); pl. 5, fig. 1 (missing*), figs 2, 2a (F. 35623), fig. 3 (missing*); pl. 6, fig. 1 (missing*), pl. 7, figs 1 & 3 (missing*); pl. 8, fig. 1 (F. 35758), figs 2–3 (F. 35625); pl. 9, fig. 1 (F. 35621), fig. 2 (F. 35622).

Lower Carboniferous: (a) Smith's Creek, near Stroud; (b) Port Stephens, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Rhacopteris intermedia Feistmantel

Hypotype F. 35619, portion of specimen.

Dun, W. S., 1905. *Rec. geol. Surv. N.S.W.*, 8 (2), p. 160, pl. 22, fig. 1 (missing*), fig. 2 (F. 35619).

Lower Carboniferous: Paterson, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Rhacopteris septentrionalis Feistmantel

Holotype F. 35620.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (2), p. 147, pl. 22, fig. 5; translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 100, pl. 3, fig. 5.

Lower Carboniferous: Smith's Creek, near Stroud, N.S.W.

Rhopala sapindifolia Ettingshausen

Syntypes F. 51118, F. 51155.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien*, 53, p. 31, pl. 12, fig. 8

(F. 51118), fig. 9 (F. 51155), fig. 10, 10a (mislaid*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 133, pl. 12, fig. 8 (F. 51118), fig. 9 (F. 51155), figs 10, 10a-c (mislaid*).

Lower Tertiary: Vegetable Creek, near Emmaville, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

issikia apiculata Townrow

Holotype F. 51976; paratypes as listed.

Townrow, J. A., 1967. *Pap. Proc. R. Soc. Tasm.*, 101, p. 113, pl. 1, figs C and D (F. 51983); pl. 2, fig. D (F. 51976); text figs 1B (F. 51981), 1C (F. 51957), 1D (F. 51980); 3F (F. 51976); 4B (?), 4C (F. 51976), 5C (AM. 6405), 5D (AM. 6406); 6E (F. 51978), 6F (AM. 6404), 6H (AM. 6408), 6I (F. 51976); 7A (F. 51977), 7B (F. 51981); 8D (F. 51983); 9J (F. 51983); 10B (AM. 6407); 14D and E (F. 51983).

Upper Triassic (Molteno Formation): Burnera Waterfall, Upper Umkomaas, Natal.

Rissikia media (Tenison-Woods)

Holotype No. 102*; hypotypes as listed.

Townrow, J. A., 1967. *Ibid.*, p. 111, pl. 1, fig. A. (F. 51972), fig. B. (F. 51973), fig. E. (F. 51960), figs F, H (AM. 6413), fig. G. (AM. 6407); pl. 2, figs A, C (AM. 6409), fig. B (AM. 6404), fig. H. (F. 51966), fig. I (F. 51972); text figs 1E (F. 51964), 1F (F. 51975), 1G (F. 51961), 1H (F. 51968), 1J (F. 51963); text figs 2A (No. 102*), 2B (F. 42354**); text figs 3A (F. 51965), 3D (F. 51960), 3E (F. 51964), 3G (F. 51967); text figs 4A (?F. 51969), 4D (F. 51976), 4F (?F. 51960), 4H (F. 51961); text figs 5A, B (AM. 6409); text figs 6A (AM. 6408), 6B (AM. 6409), 6C (AM. 6412), 6D (F. 51962); text figs 7C, D, E (F. 51970–1); text figs 8B (F. 51970–1), 8C (F. 51974), 8E–J (F. 51975); text figs 9A–E (AM. 6412), 9H (F. 51974), 9I (AM. 6408), 9K (AM. 6408); text figs 10A (AM. 6408), 10C (AM. 6407–8), 10D (AM. 6408), 10F (?).

Upper Triassic (Molteno Formation): Burnero Waterfall, Upper Ukomaas, Natal; **?Jurassic: Gilgandra, N.S.W.

* Holotype, No. 102, in Macleay Museum, University of Sydney.

Sagenopteris rhoifolia Presl.

Hypotype F. 35739.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (2), p. 170, pl. 30, figs 1–4, 7; translation: *Mem. geol. Surv. N.S.W.*, Pal. 3 (2), p. 134, pl. 28, figs 1–5.

Upper Mesozoic: Talgai diggings, Condamine River, Queensland.

Salisburia palmata Ratte

See *Jeanpaulia* (?) *palmata* Ratte.

Samaropsis pincombei Walkom

Holotype (a) F. 48127; paratype (b) F. 48138.

Walkom, A. B., 1928. *Proc. Linn. Soc. N.S.W.*, 53 (5), p. 562, pl. 36, fig. 4d (F. 48138), fig. 5 (F. 48127).

Permian (Newcastle Coal Measures): (a) Bar Beach, near Merewether; (d) Dudley, near Newcastle, N.S.W.

Sapindus gossei Ettingshausen

Syntype F. 51094.

Ettingshausen, C., 1886. *Denkschr. Akad. Wiss. Wien.* 53, p. 46, pl. 14, fig. 15 (F. 51094), figs 16–17 (missing*); translation: *Mem. geol. Surv. N.S.W.* (1888), Pal. 2 (2), p. 161, pl. 14, fig. 15 (F. 51094), figs 16–17 (missing*).

Tertiary (Oligocene): Newstead, near Elsmore, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Schizoneura ? australis Etheridge

Holotype F. 35729.

Etheridge, R., 1893. *Rec. geol. Surv. N.S.W.*, 3 (3), p. 74, pl. 13.

Lower Triassic (Narrabeen Group): Shale roof of Bulli Colliery, Bulli, N.S.W.

Sphenopteris grandis Dun

Holotype F. 35654.

Dun, W. S., 1898. *Ibid.*, 6 (1), p. 47, pl. 6, fig. 2.

Permian (Greta Coal Measures): Denton Park, Parish of Gosforth, N.S.W.

Stenopteris rigida Dun

Syntypes F. 35740, F. 35657.

Dun, W. S., 1909. *Ibid.*, 8 (4), p. 313, pl. 50, fig. 1 (F. 35740), fig. 2 (F. 35657).

Lower Mesozoic: Benolong, Dubbo district, N.S.W.

Taeniopteris daintreei M'Coy

Hypotype F. 35739.

Feistmantel, O., 1878–79. *Palaeontographica*, Suppl. Bd. 3 (1), p. 110, pl. 14, figs 2–4 (missing*); Bd. 3 (2), p. 169, pl. 30, figs 5, 5a (F. 35739); translation: *Mem. geol. Surv. N.S.W.* (1890), Pal. 3 (2), p. 114, pl. 27, figs 4–5 (missing*), figs 6, 6a (F. 35739).

Upper Mesozoic: Talgai diggings, Condamine River, Queensland.

* Possibly in collection of Mining Museum, Sydney.

Taeniopteris spatulata McClelland. (= *T. daintreei* M'Coy)

Hyptoype F. 25247 (Orig. No. L. 28).

Walkom, A. B., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 188, pl. 8, fig. 3.

Jurassic: Bexhill, near Lismore, N.S.W.

Taeniopteris triassica Walkom

Holotype F. 17820.

Walkom, A. B., 1925. *Ibid.* 50 (3), p. 219, text fig. 1.

Lower Triassic (Narrabeen Group): Narrabeen, Sydney, N.S.W.

Thinnfeldia (?)

Figured specimen F. 35743.

Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 314, pl. 49, fig. 4.

Lower Mesozoic: Benolong, near Dubbo, N.S.W.

Thinnfeldia feistmanteli Johnston

Hypotypes F. 50124, F. 50120, F. 50119, F. 50126, F. 50122.

Walkom, A. B., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (3), p. 217, pl. 24, fig. 6 (F. 50119), fig. 7 (F. 50126), fig. 8 (F. 50122), fig. 9 (missing*); pl. 25, fig. 1 (F. 50124), fig. 2 (F. 50120).

Lower Triassic (Narrabeen Group): Narrabeen, near Sydney, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Thinnfeldia lancifolia (Morris)

Hypotypes F. 50121, F. 50123.

Walkom, A. B., 1925. *Ibid.*, 50 (3), p. 217, pl. 25, fig. 3 (missing*); pl. 26, fig. 1 (F. 50121), fig. 2 (missing*), fig. 3 (F. 50123); pl. 27, figs 1, 2, 4, and 5 (missing*).

Lower Triassic (Narrabeen Group): Narrabeen, near Sydney, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

Thinnfeldia narrabeenensis Dun. MS.

Syntype F. 50125.

Walkom, A. B., 1925. *Ibid.* 50 (3), p. 218, pl. 27, figs 3–6 (missing); pl. 28, figs 1–3 (missing), fig. 4 (F. 50125).

Lower Triassic (Narrabeen Group): Narrabeen, near Sydney, N.S.W.

Thinnfeldia odontopteroides (Morris)

= *Dicroidium odontopteroides* (Morris).

Hypotypes (a) F. 35757, (b) F. 35714, F. 35653, F. 35760, (c) F. 35660, (d) F. 35728.

Feistmantel, O., 1878–79. *Palaeontograph.* Suppl. Bd. 3 (1), pp. 89, 105, 108, pl. fig. 5 (missing); pl. 14, fig. 5 (missin pl. 15, fig. 3 (F. 35660), fig. 4 (F. 3565 figs 5–6 (missing), fig. 7 (F. 35760 a F. 35714). Bd. 3 (2), pp. 165–169, 27–29 (missing); translation: *Mem. ge Surv. N.S.W.*, 1890, Pal. 3 (2), p. 1 pls 23–25 (missing); pl. 26, fig 1 (F. 3575 figs 2, 2a (missing); pl. 28, fig. 8 (mi ing); pl. 29, fig. 1 (missing), fig. 2 (35660), fig. 3 (F. 35653), fig. 4 (mi ing), fig. 5 (F. 35760 and F. 35714).

Dun, W. S., 1909. *Rec. geol. Surv. N.S.W* 8 (4), p. 314, pl. 49, fig. 1 (F. 35728).

Triassic: (a) Clarke's Hill, near Cobbit N.S.W., (b) Tasmania, (c) Ipswic Queensland, (d) Benolong, near Dubb N.S.W.

Missing specimens possibly in Mini Museum, Sydney.

Trachyphyllum myosotinum Ettingshausen.

Holotype F. 51104.

Ettingshausen, C., 1886. *Denkschr. Aka Wiss. Wien*, 53, p. 39, pl. 13, figs 19, 19 translation: *Mem. geol. Surv. N.S.W* (1888), Pal. 2 (2), p. 148, pl. 13, fig 19, 19a.

Lower Tertiary: Vegetable Creek, nea Emmaville, N.S.W.

Zamites ensiformis Etheridge

Syntypes F. 9269, F. 9270.

Etheridge, R., 1898. Official Contribution to the Palaeontology of South Australia *S. Aust. Parl. Pap.*, 46, 1898–99 (Contrib 11), p. 7, pl. —, figs 1–2.

Upper Cretaceous: Approximately lat. 25° 55′ S., long. 139° 25′ E. Quarry 1 mile from Birdsville, Queensland.

INVERTEBRATA

Foraminifera

Calcitornella stephensi (Howchin)

See *Nubecularia stephensi* (Howchin)

Discorbina cymbaloporoides Chapman

Holotype AM. 3762 (part).

Chapman, F., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 336, pl. 54, figs 7a–c.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Discorbina cf. *parisiensis* (d'Orbigny).

Hypotope AM. 3762 (part).

Chapman, F., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 336, pl. 54, figs 6a–c.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

ndothyra cf. *globulus* (d'Eichwald).
Figured specimen AM. 3762 (part).
Chapman, F., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 336, pl. 54, figs 11a–b.
Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.
Upper Triassic (Wiannamatta Group): Grose Vale—Kurrajong Road, N.S.W.

1. Fibrosphaerae
Figured specimen AM 5696.
Lovering, J., 1953. *Ibid.*, p. 171, fig. 4.
Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Geinitzina and *Lunucammina*
Figured specimens AM. 4030.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, pl. 4, fig. 5 (no page reference).
Permian (Lochinvar Formation): Pokolbin, N.S.W.
Section of slab showing tests of both genera.

Geinitzina postcarbonica Spandel
Geinitzina triangularis Chapman and Howchin.
Hypotype AM. 4028.
Chapman, F., and Howchin, W., 1905. *Ibid.*, p. 17, pl. 4, fig. 3.
Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 184.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Haplophragmium emaciatum Brady
Hypotype AM. 3762 (part).
Chapman, F., 1909. *Rec. Geol. Surv. N.S.W.*, 8 (4), p. 337, pl. 54, fig. 5.
Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.
Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong.

Lagena acuta (Reuss)*
Hypotype AM. 4021.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 14, pl. 3, fig. 10.
Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 184.
Permian (Lochinvar Formation): Pokolbin, N.S.W.
* Not a foraminifera (zooecium of Polyzoan).

Lituola cf. *rhaetica* Chapman
= *Ruditaxis* sp. cf. *rhaetica* (Chapman).
Figured specimen AM. 4018.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 9, pl. 3, fig. 7.
Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 188.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Lunucammina cf. *permiana* Spandel
= *Dentalina* sp. (AM. 4017).
= Gen. et. sp. indet. (AM. 4023).
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 17, pl. 3, fig. 6 (AM. 4017), fig. 12 (AM. 4023).
Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 188.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Marginula cf. *breoni* (Terquem).
= *Dentalina* ? sp. indet.
Figured specimen AM. 4022.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 17, pl. 3, fig. 11.
Chapman, F., Howchin, W., and Parr, W. J., 1934, *Proc. R. Soc. Vict.*, 47 (1), p. 184.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Nodosaria (*Dentalium*) *permiana* Spandel
Hypotype AM. 4027.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 15, pl. 4, fig. 2.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Nubecularia nitida Chapman
Holotype AM. 3762 (part).
Chapman, F., 1909. *Rec. Geol. Surv. N.S.W.*, 8 (4), p. 335, pl. 44, figs 4a–b.
Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.
Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Nubecularia stephensi Howchin
= *Calcitornella stephensi* (Howchin).
Hypotypes AM. 4024–6, AM. 4029.
Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 5, pl. 3, fig. 13 (AM. 4024), fig. 14 (AM. 4025), pl. 4, fig. 1 (AM. 4026), fig. 4 (AM. 4029).
Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 187.
Permian (Lochinvar Formation): Pokolbin, N.S.W.

Placopsilina tenuistesta Chapman and Howchin

Holotype AM. 4020.

Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 8, pl. 3, fig. 9.

Permian (Lochinvar Formation): Pokolbin, N.S.W.

Pulvinulina insignis Chapman

Holotype AM. 3762 (part).

Chapman, F., 1909. *Rec. Geol. Surv. N.S.* 8 (4), p. 337, pl. 44, figs 8a–b, 9.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Truncatulina boueana d'Orbigny

Hypotype AM. 3762 (part).

Chapman, F., 1909. *Rec. Geol. Surv. N.S.W.*, 8 (4), p. 337, pl. 44, figs 10a–c.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Vaginulina cf. *legumen* (Linn.)

= *Frondicularia* ? sp. indet.

Figured specimen AM. 4019.

Chapman, F., and Howchin, W., 1905. *Mem. Geol. Surv. N.S.W.*, Pal. 14, p. 18, pl. 3, fig. 8.

Chapman, F., Howchin, W., and Parr, W. J., 1934. *Proc. R. Soc. Vict.*, 47 (1), p. 184.

Permian (Lochinvar Formation): Pokolbin, N.S.W.

Porifera

Anthracosycon (?) sp.

Figured specimen F. 16813.

Etheridge, R., 1918. *Proc. S. Aust. Brch. R. Geogr. Soc. Aust.*, 18, p. 251, pl. 39, fig. 1.

Permian (Noonkanbah Formation): Balmaningarra, Mt Marmion, Western Australia.

Calceolispongia see Crinoidea (Echinodermata)

Astylospongia radiata Pickett

Holotype F. 8961; mentioned F. 8962–66.

Pickett, J. 1967. *Mem. geol. Surv. N.S.W.*, Pal. 16, p. 18, text fig. 7 (F. 8961); pl. 11, fig. 2 (F. 8961).

Upper Silurian: Hatton's Corner, Yass, N.S.W.

Attungaia cloacata Pickett

Mentioned specimens F. 6155, F. 30280.

Pickett, J., 1967. *Ibid.*, p. 20.

Middle Devonian: North of Portion 9 Parish Attunga, County Inglis, N.S.W.

Attungaia wellingtonensis Pickett

Paratype F. 19977; mentioned F. 19975, AM 4363.*

Pickett, J., 1967. *Ibid.*, p. 20, pl. 4, fig. (F. 19977).

Lower Devonian (Garra Beds): Wellingtc Caves, N.S.W.

* Section from F. 910 (Mining Museum specimen).

Columellaespongia woolomolensis Pickett

Figured and mentioned specimens (a) AM 165 *; (b) AM. 4908** (c) AM. 4766.

Pickett, J., 1967. *Mem. geol. Surv. N.S.W.* Pal. 16, p. 12, text fig. 2b (AM. 4908**); 2c (AM. 165).

Middle Devonian (Moore Creek Limestone) (a) "Moore Creek"; (b) Portion 43, Parish Woolomol, County Inglis; (Timor Limestone): (c) Portion 133, Parish Lincoln County Brisbane, N.S.W.

* Thin section from F. 6193.

** Thin section from F. 10508 (Mining Museum specimen).

Devonospongia clarkei (de Koninck)

Paralectotype (a) AM 4745; mentioned (b) F. 17127–17129, F. 14711, F. 14732; (c) AM. 4127*, AM. 3951*; (d) F. 8712; (e) F. 17085; (f) F. 9898, F. 9899.

Pickett, J., 1967. *Ibid.*, p. 21, pl. 8, fig. 6 (F. 4745).

Lower Middle Devonian (Receptaculites–limestone): (a) Portion 117, Parish Warroo, County Murray; (b) Cavan; (c) Portion 122, Parish Cavan, County Cowley; (d) Murrumbidgee River, southeast of McAllunis' Bend; Upper Silurian: (e) Hatton's Corner, Yass; (f) Boambolo or Cavan, N.S.W.

* Thin sections from F. 3480 and F. 3574 (Mining Museum specimens).

? *Geodia parkesi* Pickett

Holotype (a) F. 31114; paratypes (b) F. 50383; (c) F. 21304; mentioned (a) F. 31113; (b) F. 50379–82, F. 21370; (d) F. 24055.

Pickett, J., 1967. *Ibid.*, p. 9, pl. 1, fig. 1 (F. 50383), fig. 2 (F. 31114); pl. 8, fig. 3 (F. 21304).

Middle Permian (Conjola Formation): (a) Wyro, near Ulladulla; (b) Ulladulla; (Westley Park Sandstone): (c) Black Head, Gerringong; (d) Berarra, N.S.W.

alostelia australis Etheridge

Holotype F. 7028 (AM. 200).

Etheridge, R., 1916. *Trans. R. Soc. S. Aust.*, 40, p. 148, pl. 18, figs 1–2.

Ordovician: Tempe Downs, Northern Territory.

rneycoelia favosa Pickett

Holotype F. 19973; paratype F. 19974.

Pickett, J., 1967. *Mem. geol. Surv. N.S.W.*, Pal. 16, p. 10, text figs 1a–b (F. 19973); pl. 2, figs 1–2 (F. 19973), fig. 3 (F. 19974); pl. 9, figs 1–2 (F. 19973).

Lower Devonian (Garra Beds): Wellington Caves, N.S.W.

Receptaculitidae

ceptaculites australis Salter

Hypotypes (a) F. 46748, F. 35577–79, F. 35582, AM. 4421, AM. 3811, AM, 4008, ?AM. 6391; (b) F. 35734, AM. 3608; (c) F. 35580–81; (d) F. 2437, F. 4647–8; (e) F. 35576.

Etheridge, R., and Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 6 (1), p. 62, pl. 8, figs 1–2 (F. 35582), figs 3–4 (F. 35577); pl. 9, fig. 1 (F. 35579), fig. 2 (AM. 3608), fig. 3 (F. 46748), figs 4–7 (F. 35578), fig. 8 (AM. 3811), fig. 9 (AM. 4008), fig. 10 (missing); pl. 10, fig. 1 (F. 46747), fig. 2 F. 35580), fig. 3 (F. 35581), fig. 4 (F. 35734), fig. 5 (F. 35576), fig. 6 (?AM. 6391), fig. 7 (AM. 4421), fig. 8 (F. 2437).

Middle Devonian. (a) Parish Waroo, County Murray; (b) Tarago, near Goulburn; (c) Portion 95, Parish Cavan, County Cowley; (d) Humewood, Yass district; (e) Goodradbigbee River, between Dutton's Grant and river, N.S.W.

Stromatoporoidea

ctinostroma australe Dun

A.M. 4746*.

Dun, W. S., 1918. *Proc. Linn Soc. N.S.W.*, 43 (2), p. 381, pl. 38, fig. 12; the thin-section, figure 13, is missing.

Middle Devonian: Loomberah, N.S.W.

* This thin-section is the holotype of *Stromatoporella bensoni* Dun. Portion of it has been erroneously figured on pl. 38, fig. 12 as *Actinostroma australe* Dun.

ctinostroma subclathratum Etheridge

Lectotype F. 10796 (AM. 791); paralectotype F. 10798 (AM. 992).

Etheridge, R., 1918. *Proc. S. Aust. Brch. R. Geog. Soc. Aust.* 18, p. 259.

Middle Devonian: Hill at Minnie Pool, Margaret River, Western Australia.

Amphipora australasica Etheridge

Holotype F. 9596 (AM. 735, AM. 900).

Etheridge, R., 1917. *Rec. Aust. Mus.*, 11 (11), p. 239, pl. 44 (AM. 735); pl. 45, fig. 1 (A.M. 900), fig. 2 (AM. 735).

Silurian: Quarry, 1 mile W.S.W. of Style's House, near Boambola Crossing, Murrumbidgee River, N.S.W.

Clathrodictyon conophoroides Etheridge

Holotype F. 17461 (AM. 1023, AM. 4882); paratype F. 44042.

Etheridge, R., 1921. *Rec. geol. Surv. N.S.W.*, 10 (1), p. 7, pl. 5, fig. 1 (F. 44042), fig. 2 (AM. 1023), fig. 3 (AM. 4882).

Upper Silurian: 25 chains S.E. of Trundle, on the Condobolin Road in Portion 4, Parish Trundle, County Ashburnham, N.S.W.

Labechia? (Cystistroma) donnellii Etheridge

Syntype F. 51458 (portion of missing specimen), AM. 3823–4, AM. 4842, AM. 4775.

Etheridge, R., 1895. *Rec. geol. Surv. N.S.W.*, 4 (3), p. 134, pl. 14, fig. 1 (F. 907*), fig. 2 (AM. 3824); pl. 15, figs. 1–2 (F. 906*), figs 3–5 (?), fig. 6 (AM. 3823); pl. 16, fig. 1 (AM. 4842), fig. 2 (AM. 4775), fig. 3 (AM. 3823).

Ordovician: Belubula River, near Cowra, Parish Malongulli, County Bathurst, N.S.W.

* Specimens in Mining Museum, Sydney.

Stachyodes dendroidea Etheridge

Holotype F. 10797 (AM. 792, AM. 991).

Etheridge, R., 1918. *Proc. S. Aust. Brch. R. geog. Soc. Aust.*, 18, p. 260.

Middle Devonian: Hill at Minnie Pool, Margaret River, Western Australia.

Stromatoporella bensoni Dun

Holotype AM. 4746*.

Dun, W. S., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (2), p. 381, pl. 37, figs 10–11.

Middle Devonian, Loomberah, N.S.W.

* Portion of the holotype thin-section was figured by Dun (pl. 38, fig. 12) as *Actinostroma australe* Dun.

Stromatoporella kimberleyensis Etheridge

Holotype F. 16810 (AM. 990).

Etheridge, R., 1918. *Proc. S. Aust. Brch. R. geog. Soc. Aust.*, 18, p. 260.

Middle Devonian: Napier Range, Napier Downs, Western Australia.

Conularida

Conularia acutilirata Fletcher

= *Paraconularia acutilirata* (Fletcher).

Holotype F. 36205.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 251, pl. 26, fig. 1.

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 757.

Permian (Branxton Subgroup): Branxton, near Maitland, N.S.W.

Conularia bowningensis Fletcher

See *Conularia distincta* Fletcher.

Conularia chapmani Fletcher

Holotype F. 28590.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 240, pl. 24, figs 1–3.

Upper Silurian: Bowning, N.S.W.

Conularia crenulata Fletcher

= *Paraconularia crenulata* (Fletcher).

Holotype F. 3137.

Fletcher, H. O., 1938. *Ibid.*, p. 252, pl. 26, fig. 15.

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 757.

Permian (?Farley Formation): Farley, N.S.W.

Conularia derwentensis Johnston

= *Paraconularia derwentensis* (Johnston)

Hypotype F. 36630.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 253, pl. 26, fig. 9.

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 757.

Permian: Near Mount Wellington, Hobart, Tasmania.

Conularia distincta Fletcher

= *Conularia bowningensis* Fletcher

Holotype F. 27905.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 242, pl. 24, figs 7–9.

Fletcher, H. O., 1946. *Ibid.*, 21 (7), p. 394.

Upper Silurian: (Upper Trilobite Bed): Bowning, near Yass, N.S.W.

Conularia expansa Fletcher

Holotype F. 36606.

Fletcher, H. O., 1938. *Ibid.*, p. 245, pl. 25, figs 8-9.

Lower Carboniferous: Clarencetown, N.S.W.

Conularia inornata Dana

= *Paraconularia inornata* (Dana)

Plastoholotype (a) L. 702*; hypotypes (b) F. 6412, (c) F. 36596, (d) F. 36597**, (e) F. 35738.

Dana, J. D., 1849. *In* United States Explo ing Expedition during the years 1838- 1842 under the command of Charle Wilkes, U.S.N., 10, Geology, p. 709, p 10, fig. 8 (original of L. 702).

Etheridge, R., 1889. *Proc. Linn. Soc. N.S.W* 4 (3), p. 751, pl. 20, fig. 1 (F. 35738).

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 2 (3), p. 248, pl 26, figs 2–3 (F. 6412), fig 5–6 (F. 36597), figs. 12–13 (F. 36596).

Branson, C. C., 1948. *Mem. geol. Soc. Amer.* 26, p. 757.

Permian (Muree Formation): (a) Glendon (Gerringong Volcanics): (b) Gerringong (?Branxton subgroup): Russell's Shaft Newcastle; (d) locality?, (? Farley Forma tion); (e) Farley, N.S.W.

* Original in U.S. Nat. Museum, Washington U.S.A.

** Specimen mislaid.

Conularia levigata Morris

= *Paraconularia levigata* (Morris)

Plastohypotype (a) L. 696; hypotypes F. 36590, (b) F. 20162, (c) F. 25779, F. 25780, (d) F. 36588.

Dana, J. D., 1849. *In* United States Explor- ing Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 710, pl. 10, figs 9, 9a (original of L. 696).

Laseron, C. F., 1911. *J. Proc. R. Soc.* N.S.W., 45 (3), p. 247, pl. 11, figs 1–3 (F. 20162).

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 247, pl. 25, figs 10–11 (F. 25779), fig. 12 (F. 25780), fig. 13 (F. 36590); pl. 26, fig. 4 (F. 36588).

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 757.

Permian (Allandale Formation), (a) Harper's Hill; (Branxton Subgroup): (b) Cessnock district; (Farley Formation): (c) Farley, (d) Ravensfield, N.S.W.

* Original in U.S. Nat. Museum, Washington, U.S.A.

Conularia mitchelli Fletcher

Holotype F. 27005*.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 239, pl. 24, figs 4–6.

Upper Silurian (Bowning Group): Bowning, near Yass, N.S.W.

* Since determined as a possible orthoceratid.

Conularia tenuistriata M'Coy

= *Paraconularia tenuistriata* (M'Coy)

Hypotypes (a) F. 25872, (b) F. 20570, (c) F. 26103.

Fletcher, H. O., 1938. *Ibid.*, p. 250, pl. 26, figs 7–8 (F. 25782), figs 10–11 (F. 26103), fig. 14 (F. 20570).

Fletcher, H. O., 1946. *Ibid.*, 21 (7), p. 294.

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 758.

Permian (Farley Formation): (a) Ravensfield, near Maitland, (?Formation): (b) Raymond Terrace, (c) locality?, N.S.W.

onularia tuberculata Fletcher

= *Paraconularia tuberculata* (Fletcher)

Holotype (a) F. 29022; paratypes F. 28480, F. 29019, F. 36583, (b) F. 25778.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 244, pl. 25, figs 1–2 (F. 28480), fig. 3 (F. 29019), fig. 4 (F. 25778), fig. 5 (F. 29022), figs 6–7 (F. 36583).

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 758.

Campbell, K. S. W., 1962. *J. Palaeont.*, 36 (1), pp. 43–44.

Lower Carboniferous: (a) Bramble's Farm, Myall Lakes, (b) Clarencetown, N.S.W.

onularia warthi Waagen

= *Paraconularia warthi* (Waagen)

Hypotype F. 36551.

Fletcher, H. O., 1938. *Rec. Aust. Mus.*, 20 (3), p. 243, pl. 24, figs 10–11.

Branson, C. C., 1948. *Mem. geol. Soc. Amer.*, 26, p. 758.

Permian ("Byro" Formation): Gascoyne River, Western Australia.

araconularia acutilirata (Fletcher)

See *Conularia acutilirata* Fletcher

araconularia crenulata (Fletcher)

See *Conularia crenulata* Fletcher

araconularia derwentensis Johnston

See *Conularia derwentensis* Johnston

araconularia inornata (Dana)

See *Conularia inornata* Dana

araconularia levigata (Morris)

See *Conularia levigata* Morris

araconularia nefarius Campbell

Mentioned specimen F. 36397.

Campbell, K. S. W., 1962. *J. Palaeont.*, 36 (1), p. 44.

Carboniferous: Willi Willi, near Kempsey, N.S.W.

Paraconularia tenuistriata (M'Coy)

See *Conularia tenuistriata* M'Coy

Paraconularia tuberculata (Fletcher)

See *Conularia tuberculata* Fletcher

Paraconularia warthi (Waagen)

See *Conularia warthi* Waagen

Anthozoa

Acanthohalysites australis (Etheridge).

See *Halysites australis* Etheridge.

Acanthohalysites gamboolicus (Etheridge).

See *Halysites gamboolicus* Etheridge.

Acanthohalysites peristephesicus (Etheridge)

See *Halysites peristephesicus* Etheridge.

Acanthohalysites pycnoblastoides (Etheridge).

See *Halysites pycnoblastoides* Etheridge.

Acanthophyllum aequiseptatum Hill.

= *Acanthophyllum* (*Acanthophyllum*) *aequiseptatum* Hill.

Holotype F. 9577 (AM. 3435–36); paratype F. 17102 (AM. 3432–33).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 251, pl. 9, fig. 1a (AM. 3435), fig. 1b (AM. 3436), fig. 2a (AM. 3433), fig. 2b (AM. 3432).

Strusz, D. L., 1966. *Palaeontology*, 9 (4), p. 549, pl. 85, fig. 1a (AM. 3435), fig. 1b (AM. 3436).

Lower Middle Devonian: Clear Hill, near Taemas Bridge, Murrumbidgee River, N.S.W.

Acanthophyllum clermontensis (Etheridge)

See *Cyathophyllum ? clermontensis* Etheridge.

Acanthophyllum mansfieldense (Dun)

See *Cyathophyllum mansfieldense* Dun.

Actinocystis ? cornubovis Etheridge

= *Mesophyllum cornubovis* Etheridge.

Syntypes (a) F. 35539, (b) F. 51459 (AM. 3754); hypotypes (a) F. 6798 (AM. 6382), (c) F. 16410 (AM. 883).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 159, pl. 21, fig. 1 (AM. 3754), fig. 2 (F. 35539); pl. 38, fig. 1 (F. 35539).

Hill. D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 150, pl. 4, fig. 3 (AM. 883), fig. 4 (AM. 6382).

Middle Devonian (Moore Creek Limestone): (a) Moore Creek, near Tamworth; (Woolomol Limestone): (b) Seven miles N.W. by N. of Tamworth; (c) Attunga, N.S.W.

Alveolites ? sp. indet.

Figured specimen F. 45947.

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 173, pl. 17, figs 4–5.

Middle Devonian: Near Tamworth, N.S.W.

Alveolites piriformalis Etheridge

Type specimen mislaid.*

Etheridge, R., 1921. *Ibid.*, 10 (1), p. 5, pl. 4, figs 1–3.

Upper Silurian: Yass District, N.S.W.

* Possibly in Mining Museum, Sydney.

Amplexopora koninckí Etheridge and Foord

See *Litophyllum koninckí* (Etheridge and Foord).

Amplexus sp. indet.

Figured specimen F. 52137.*

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5 (1), p. 7, pl. 9, fig. 10 (F. 52737).

Carboniferous: Pallal, three-quarters mile S.W. of Horton River, County Murchison, N.S.W.

* Portion of specimen missing.

Amplexus arundinaceous Lonsdale

See *Zaphrentis* (*Plerophyllum*) *arundinaceus* (Lonsdale).

Amygdalophyllum etheridgei Dun and Benson

Holotype AM. 1311; paratypes AM. 1132–3.

Dun, W. S., and Benson, W. N., 1920. *Proc. Linn. Soc. N.S.W.*, 45 (3), p. 339, pl. 18, fig. 1,* fig. 2 (AM. 1133), fig. 3 (AM. 1132), fig. 4 (AM. 1131), figs 5–6 (sections accidentally destroyed).

Benson, W. N., and Smith, S., 1923. *Q. Jl. geol. Soc. Lond.*, 79 (2), p. 161, pl. 8, figs 1–2 (sections destroyed), fig. 3 (AM. 1133); pl. 9, fig. 2 (AM. 1131).

Hill, D., 1934. *Proc. R. Soc. Qd*, 45, p. 68.
Pickett, J., 1966. *Mem. Geol. Surv. N.S.W.*, Pal. 15, p. 21.

Carboniferous (Burindi Group): Babbinboon, N.S.W.

Sections R. 22072 from the holotype and R. 21997 from a paratype in British Museum (Natural History).

* Figured specimen (F. 18122) identified by Benson and Smith, 1923, as *Zaphrentis sumphuens* Etheridge.

Amygdalophyllum inopinatum (Etheridge)

See *Koninckophyllum inopinatum* Etheridge

Aphrophyllum hallense Smith

Holotype F. 17640* (AM. 1036, AM. 1038–40); paratype AM. 1037;** mentioned AM. 1050.**

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.*, 54, p. 53, pl. 2, fig. 1 (AM. 1036), fig. 2 (AM. 1037), fig. 3 (AM. 1040), fig. 4 (AM. 1038), fig. 5 (AM. 1039); mentioned specimen, p. 55 (AM. 1050).

Hill, D., 1934. *Proc. R. Soc. Qd*, 45, p. 7.
Pickett, J., 1966. *Mem. geol. Surv. N.S.W.* Pal. 15, p. 29.

Lower Carboniferous (Namoi Formation): Parish of Hall, 16 miles south of Bingara, N.S.W.

* Recorded in error as F. 17648 by Hill; original number B. 8; ** original number B. 10 a–b.

According to Hill part of the holotype is A 5051 in the Sedgwick Museum, Cambridge.

Arachnophyllum epistomoides Etheridge

Syntypes F. 7613, AM. 4343, AM. 4866.

Etheridge, R., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 304, pl. 44, fig. 1 (F. 7613), fig. 2 (AM. 4343); pl. 45, figs 1–2 (missing); pl. 46 (AM. 4866).

Silurian: Spring and Quarry Creeks, Parish Barton, County Ashburnham, N.S.W.

Araeopora australis Nicholson and Etheridge

Holotype (portion) F. 25230.*

Nicholson, H. A., and Etheridge, R., 1879. *Ann. Mag. nat. Hist.*, 4 (5), p. 278, text figs 3a–b.

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, London, Dulau, p. 57, pl. 3, figs 6–9.

Devonian: Burdekin River, North Queensland.

* From specimen A. 94, which with type thin-sections are in British Museum (Nat. Hist.).

Aulophyllum davidis Etheridge

Syntypes F. 35528–9, F. 46247, F. 35526–7, AM. 4489, F. 46249.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, 5 (1), p. 23, pl. 10, fig. 10 (F. 35528–9), fig. 11 (F. 46249), fig. 12 (AM. 4489); pl. 11, fig. 1 (F. 35526–7), fig. 2 (F. 35527), fig. 3 (F. 46247).

Carboniferous: Binge Berry, Rouchel Brook, County Durham, N.S.W.

Australophyllum cyathophylloides (Etheridge)

See *Spongophyllum cyathophylloides* Etheridge

Australophyllum giganteum (Etheridge)

See *Spongophyllum giganteum* Etheridge

ustralophyllum spongophylloides (Foerste)

See *Lonsdaleia (Spongophylum) bipartita* Etheridge.

ophyllum colligatum Hill,

Holotype (a) F. 9148 (AM. 704); paratype (b) F. 8642 (AM. 625).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 404, pl. 12, fig. 11 (AM. 625), fig. 12 (AM. 704).

Silurian: (a) Bowspring Limestone, Boonoo Ponds Creek, near Hatton's Corner, Yass River; (b) Limestone at junction of Euralie Creek, Portion 161, Parish Yass, N.S.W.

lingsaria banksi Hill

Hypotype F. 46753 (AM. 6150–1).

Hill, D., 1957. *J. Proc. R. Soc. N.S.W.*, 91 (2), p. 100, pl. 2, fig. 5 (AM. 6150), fig. 5b (AM. 6151).

Middle Ordovician (Cliefden Caves Limestone): Near Mandurama, N.S.W.

mpophyllum columnare Etheridge

Holotype F. 35532, F. 46234 (parts of one specimen), AM. 3781.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, 5 (1), p. 19, pl. 9, figs 18–19 (F. 35532, F. 46234), fig. 20 (AM. 3781).

Carboniferous: Binge Berry, Rouchel Brook, County Durham, N.S.W.

ampophyllum" cf. *lindstromi* (Frech)

Figured specimen F. 6201 (AM. 157).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 148, pl. 4, fig. 2a (AM. 157a), fig. 2b (AM. 157b).

Middle Devonian (Moore Creek Limestone): Spring Creek, near Tamworth, N.S.W.

ampophyllum" *recessum* Hill

Holotype F. 16343 (AM. 3434), (AM. 3429). Hill, D., 1940. *Ibid.*, 74 (3), p. 254, pl. 9, figs 7a–b (AM. 3434), fig. 7c (AM. 3429).

Lower Middle Devonian: Devil's Elbow, Murrumbidgee River, N.S.W.

ninophyllum sumphuens (Etheridge)

See *Zaphrentis* ? *sumphuens* Etheridge.

vanophyllum trochoides (Hill)

See *Mictophyllum trochoides* Hill.

onodendron columen Benson and Smith

Holotype F. 51457* (AM. 1137–39).

Benson, W. N., and Smith, S., 1923. *Q. Jl. geol. Soc. Lond.*, 79 (2), p. 165, pl. 8, fig. 4 (AM. 1137), figs 5a–e (AM. 1137, AM. 1139); pl. 9, fig. 4 (AM. 1137), fig. 7 (AM. 1138).

Hill, D., 1934. *Proc. R. Soc. Qd.*, 45 (1), p. 90, pl. 10, figs 39–40 (sections from holotype).

Pickett, J., 1966. *Mem. geol. Surv. N.S.W.*, Pal. 15, p. 20.

Lower Carboniferous: Slaughterhouse Creek, near Gravesend, N.S.W.

* Original number F. 1464; thin sections (R. 21999, R. 22000), cut from the holotype, in British Museum (Natural History).

Cladochonus nicholsoni (Etheridge)

See *Monilopora nicholsoni* Etheridge.

Coccoseris speleana Hill

Holotype F. 46754 (AM. 6152–3).

Hill, D., 1957. *J. Proc. R. Soc. N.S.W.*, 91 (2), p. 101, pl. 3, fig. 13a (AM. 6152), fig. 13b (AM. 6153).

Middle Ordovician (Cliefden Caves Limestone): The Large Flat, Belubula River, near Mandurama, N.S.W.

Coenites pinaxoides Etheridge

Holotype F. 8873 (AM. 659).

Etheridge, R., 1921. *Rec. geol. Surv. N.S.W.*, 10 (1), p. 9, pl. 6, fig. 1 (F. 8873), fig. 2 (AM. 659b), fig. 3 (AM. 659a).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

Columnaria neminghensis Etheridge

= *Favistella neminghensis* (Etheridge).

Holotype F. 5099* (AM. 903a–b).

Etheridge, R., 1918. *Rec. Aust. Mus.*, 12 (4), p. 50, pl. 8 (F. 5099), pl. 9, fig. 1 (AM. 903a), fig. 2 (AM. 903b) .

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 158, pl. 2, figs 4a–b.

Devonian (?Nemingha Limestone): Portion 181, Parish Nemingha, County Parry, Tamworth district, N.S.W.

* Holotype specimen mislaid. (Mining Museum specimen).

Columnaria pauciseptata Etheridge*

Holotype F. 14229, one of two portions (AM. 263).

Etheridge, R., 1897. *Rec. Aust. Mus.*, 3 (2), p. 30, pl. 8, figs 1–3 (F. 14229), figs 4–6 (AM. 263a), fig. 7 (AM. 263b).

Upper Silurian: Molong, N.S.W.

* Referred to as *Columnopora pauciseptata* in explanation to plate.

Etheridge (p. 33) selected as holotype a portion of the specimen in the collection of St Stanislaus College Museum, Bathurst, N.S.W. The portion and thin sections figured are however from the portion in the Australian Museum.

Columnopora duni Etheridge

See *Gephuropora duni* Etheridge.

Conocyathus cyclocostatus Tenison-Woods

Holotype F. 1690.

Tenison-Woods, J.E., 1877. *J. Proc. R. Soc. N.S.W.*, 11, p. 188, pl. 2, figs 2, 2a.

Miocene: Muddy Creek, 5 miles from Hamilton, Victoria.

Conosmilia bicycla Tenison-Woods

Holotype F. 1699.

Tenison-Woods, J. E., 1877. *Ibid.*, p. 193 (not figured).

Miocene: Muddy Creek, 5 miles from Hamilton, Victoria.

Crinophyllum enorme (Etheridge)

See *Spongophyllum enorme* Etheridge.

Cyathophyllum chillagoensis Etheridge

= *Heliophyllum chillagoensis* (Etheridge).

Holotype F. 9480 (AM. 728).

Etheridge, R., 1911. *Publs. geol. Surv. Qd.*, No. 231, p. 4, pl. D, fig. 1 (AM. 728), fig. 2 (AM. 728b).

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.*, p. 6.

?Silurian: Chillagoe Goldfield, Queensland.

Cyathophyllum clermontensis Etheridge

= *Acanthophyllum* (*Acanthophyllum*) *clermontense* (Etheridge).

Lectotype portions (a) F. 9486–7 (AM. 731); hypotype (b) F. 5658 (AM. 716).

Etheridge, R., 1911. *Publs. geol. Surv. Qd.*, No. 231, p. 5, pl. B, figs 1–2 (AM. 731); pl. D, fig. 3 (lectotype 2C).

Hill, D., 1939. *Proc. R. Soc. Qd.*, 50 (10), p. 57 (mentioned F. 9487).

Hill, D., 1941. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 252, pl 9, fig. 5 (AM. 716).

Strusz, D. L., 1966. *Palaeontology*, 9 (4), p. 552.

Lower Middle Devonian: (a) Douglas Creek, 7 miles S.S.W. of Clermont, Queensland; (b) Cave Flat, Murrumbidgee River, N.S.W.

* Lectotype 2C in Geological Survey of Queensland.

Cyathophyllum creswelli Chapman

= *Sterictophyllum creswelli* (Chapman).

See *Mictophyllum creswelli* (Chapman).

Cyathophyllum dunstani Etheridge

= *Xystriphyllum dunstani* (Etheridge)

Paralectotype portions F. 9492–3 (AM. 733a–b).

Etheridge, R., 1911. *Publs geol. Surv. Q*
No. 231, p. 3, pl. A, fig. 1 (AM. 733a
fig. 2 (AM. 733b).

Hill, D., 1939. *Proc. R. Soc. Qd*, 50 (10
p. 62, pl. 5, fig. 6 (lectotype CL. 6*).

Strusz, D. L., 1966. *Palaeontology*, 9 (4
p. 578, pl. 91, figs 2a–b (AM. 733).

Lower Middle Devonian: Clermont, Queen
land.

* Hill (p. 63) selected portion CL. 6 in th
Geological Survey of Queensland as lecto
type.

Cyathophyllum elegantulum Dun

= *Trapezophyllum elegantulum* (Dun)

Thin sections AM. 3805, AM. 2.*

Dun, W. S., 1898. *Proc. R. Soc. Vict.*, 1
(2), p. 85, pl. 3, fig. 6 (AM. 3805).

Etheridge, R., 1899. *Rep. geol. Surv. Vict*
11, p. 31, pl. B, figs 3–4 (AM. 2).

Hill, D., 1939. *Proc. R. Soc. Vict.*, 51 (2)
p. 235.

Lower Devonian: Limestone quarry, Loyola
near Mansfield, Victoria.

* Holotype is No. 41717 (part of origina
number 107) in Geological Survey of Vic
toria; section AM. 2 is from 107 and AM
3805 from LL. 101.

Cyathophyllum mansfieldense Dun

= *Acanthophyllum mansfieldense* (Dun).

Holotype thin sections AM. 3809–10*.

Dun, W. S., 1898. *Proc. R. Soc. Vict.*, 1
(2), p. 87, pl. 3, fig. 3 (AM. 3809), fig. 4
(AM. 3810).

Hill, D., 1939. *Ibid.*, 51 (2), p. 223.

Lower Devonian: Limestone quarry, Loyola
near Mansfield, Victoria.

* Holotype specimen P. 24207 in National
Museum, Melbourne, Victoria.

Cyathophyllum mitchelli Etheridge

= *Xystriphyllum mitchelli* (Etheridge).

Lectotype (a) F. 2418 (AM. 40); syntypes F.
46016, (b) AM. 6384, AM. 3618; mentioned, (c) F. 6204* (AM. 158).

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.*,
2 (4), p. 172, pl. 11, fig. 9 (F. 46016),
fig. 10 (AM. 6384); pl. 12, fig. 4 (AM.
3618).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74
(3), p. 269, pl. 11, figs 2–3 (AM. 40).

Hill, D., 1942. *Ibid.*, 76 (3), p. 147 (F.
6204).

Hill, D., 1950. *Proc. R. Soc. Vict.*, 62 (2),
p. 140, pl. 5, fig. 5 (AM. 6384).

Lower Middle Devonian: (a) Cave Flat,
(b) The Cave, Murrumbidgee River, (c)
Springs Creek, near Tamworth, N.S.W.

* Recorded in error by Hill, 1942, as F.
4204.

ithophyllum patula Foerste

See *Entelophyllum yassense var. patulum* (Foerste)

athophyllum retiforme Etheridge

Holotype F. 35523 (AM. 3765).

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5, p. 22, pl. 10, fig. 13 (F. 35523), figs 14–16 (AM. 3765).

Lower Carboniferous: Binge Berry, Rouchel Brook, County Durham, N.S.W.

athophyllum shearsbyi Sussmilch

See *Phaulactis shearsbyi* (Sussmilch)

athophyllum subcaespitosum Chapman

See *Lyrielasma subcaespitosum* (Chapman)

athophyllum ? zaphrentoides Etheridge

Holotype F. 46235–6, parts of single specimen. Etheridge, R., 1891. *Ibid.*, p. 21, pl. 10, figs 4–6.

Lower Carboniferous: Binge Berry, Rouchel Brook, County Durham, N.S.W.

'ystiphyllum" aff. *australe* Etheridge

See *Cystiphyllum (? Microplasma) australasica* Etheridge.

'stiphyllum (? Microplasma) australasica Etheridge

= *"Cystiphyllum"* aff. *australe* Etheridge.

Hypotypes (a) F. 4338 (AM. 19), F. 3799* (AM. 3807), AM. 4013, (b) F. 3465* (AM. 6397), (c) F. 17158 (AM. 3452–3), F. 9588 (AM. 3426–7).

Etheridge, R., 1902. *Rec. Aust. Mus.*, 4 (7), p. 256, pl. 39, fig. 3 (AM. 3807), fig. 4 (AM. 19); pl. 40, fig. 3 (AM. 4013), fig. 4 (AM. 6397).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 256, pl. 9, fig. 10 (AM. 3452–3), fig. 11 (AM. 3426–7).

Middle Devonian: (a) Fernbrook Limekilns, 17 miles north of Bathurst, (b) Isis River, Parish of Lincoln, County Brisbane, (c) Clear Hill, Cavan, N.S.W.

* Specimens mislaid.

eltocyathus viola (Duncan)

Hypotype F. 1695.

Tenison-Woods, J. E., 1877. *J. Proc. R. Soc. N.S.W.*, 11, p. 191, pl. 2, fig. 3.

Miocene: Muddy Creek, near Hamilton, Victoria

esmidopora nicholsoni Etheridge

Holotype F. 5659 (AM. 78).

Etheridge, R., 1902. .*Rec. Aust. Mus.*, 4 (7), p. 260, pl. 40, fig. 2 (AM. 78).

Middle Devonian: Cave Flat, Murrumbidgee River, N.S.W.

Diphyphyllum gemmiforme Etheridge

= *Zeolasma gemmiforme* (Etheridge)

Holotype F. 5171 (AM. 36); paratype F. 3789* (AM. 3966).

Etheridge, R., 1902. *Rec. Aust. Mus.*, 4 (7), p. 253, pl. 37, fig. 1 (F. 5171); pl. 39, fig. 1 (AM. 36a), fig. 2 (AM. 3966); pl. 40, fig. 1 (AM. 36b).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 259.

Pedder, A. E. H., 1963. *Proc. Linn. Soc. N.S.W.*, 88 (3), p. 365.

Middle Devonian: Taemas Bridge Road, north bank of Murrumbidgee River, N.S.W.

* Specimen missing.

Diphyphyllum ? porteri Etheridge

= *Phacellophyllum porteri* (Etheridge)

Syntypes (a) F. 35522, F. 35525; hypotypes (b) F. 6149 (AM. 6383), (c) F. 6199 (AM. 166).

Etheridge, R., 1890. *Rec. geol. Surv. N.S.W.*, 2 (1), p 19, pl. 1, fig. 7 (F. 35522), figs 8–11 (F. 35525).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 151, pl. 4, fig. 7 (AM. 6383), fig. 8 (AM. 166).

Middle Devonian: (a) Neighbourhood of Tamworth, (b) Moore Creek, near Tamworth, (c) Springs Creek, near Tamworth, N.S.W.

Diphyphyllum porteri var. *mitchellensis* Etheridge

Holotype F. 30907* (AM. 45).

Etheridge, R., 1899. *Rep. Geol. Surv. Vict.*, 11, p. 30, pl A, fig. 12 (AM. 45), pl. B, fig. 11 (?AM. 45).

Upper Silurian: Sandy's Creek, Mitchell River, Gippsland, Victoria.

* Portion from No. 117 in Geological Survey of Victoria.

Diphyphyllum robustum Etheridge

= *Disphyllum robustum* (Etheridge)

Holotype (a) AM. 3974, AM. 6390 (original number M. 571), (b) hypotype F. 6184 (AM. 164).

Etheridge, R., 1899. *Rec. Geol. Surv. N.S.W.*, 6 (3), p. 153, pl. 32, fig. 1 (AM. 6390), fig. 2 (AM. 3974); pl. 37, fig. 2 (missing).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 150, pl. 4, fig. 5 (AM. 6390), fig. 6 (AM. 164).

Middle Devonian (Moore Creek Limestone): (a) Moore Creek, near Tamworth, (b) Springs Creek, near Tamworth, N.S.W.

Disphyllum gemmiforme (Etheridge)

See *Diphyphyllum gemmiforme* (Etheridge).

Disphyllum praecox Hill

Holotype (a) F. 9709 (AM. 745); paratypes (b) F. 9719 (AM. 744), (c) F. 9879 (AM. 3317), (d) F. 8633 (AM. 624).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 298, pl. 11, fig. 15 (AM. 744), fig. 16 (AM. 745), fig. 17 (AM. 3317).

Silurian: (a) Shale in Limestone Creek, 50 yards below the Bowning-Wargeila road crossing, (b) portion 161, Parish Yass, (c) Limestone Creek, near Yass, (d) south bank of Yass River, Parish Waroo, N.S.W.

Disphyllum robustum (Etheridge)

See *Diphyphyllum robustum* Etheridge.

Dohmophyllum sp.

Figured specimen F. 6197* (AM. 179).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 146, pl. 4, fig. 1a (AM. 179a), fig. 1b (AM. 179b).

Middle Devonian: Springs Creek, near Tamworth, N.S.W.

* Recorded in error by Hill as F. 6199.

Eddastraea grandis (Dun)

See *Phillipsastraea grandis* Dun.

Emmonsia squamulifera (Etheridge)

See *Favosites squamulifera* Etheridge.

Endophyllum schluteri Etheridge

Holotype (a) F. 35749 (AM. 5863–4, original number M. 233); hypotype (b) AM. 4796.

Etheridge, R., 1898. *Rec. Geol. Surv. N.S.W.*, 6 (1), p. 43, pl. 4, figs 1–3 (F. 35749); pl. 5, fig. 1 (AM. 5863), fig. 2 (AM. 5864), figs 3–4 (F. 35749), fig. 5 (AM. 5864).

Etheridge, R., 1920. *Ibid.*, 9 (2), p. 55, pl. 14, fig. 1.

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44, p. 59.

Middle Devonian: (a) Isis River, Parish Crawney, County Brisbane, (b) ? Moore Creek, near Tamworth, N.S.W.

Endophyllum schluteri var. *colligatum* Etheridge

= *Sanidophyllum colligatum* (Etheridge)

Lectotype F. 45914* (AM. 4482–3), original number F. 9228; syntype AM. 6396; hypotype F. 6161 (AM. 199).

Etheridge, R., 1920. *Rec. Geol. Surv. N.S.W.*, 9 (2), p. 55, pl. 13, fig. 1 (missing), fig. 2 (AM. 6396).

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44, p. 59.

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 157, pl. 4, fig. 12 (AM. 199).

Middle Devonian: Moore Creek, near Tamworth, N.S.W.

* Syntype thin-section AM. 6396 was four since Jones, 1932, tentatively selected 45914 = F. 9228 as lectotype.

Entelophyllum sp.

Figured specimen F. 4195 (AM. 2971).

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.* p. 4, pl. 2, figs 1a–b (AM. 2971).

Silurian: Gordon River, Tasmania.

Entelophyllum latum Hill

Holotype (a) F. 8973 (AM. 3340, AM. 3342 F. 8974*, paratypes (b) F. 9549 (AM. 3341 F. 9550 (AM. 3339), F. 9548*.

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 6 (3–4), p. 413, pl. 13, fig. 8 (AM. 3341 fig. 9 (AM. 3339), fig. 10a (AM. 3342 fig. 10b (AM. 3340).

Silurian: (a) Anticline at Glenbower, nea the Boambola Crossing of the Murrum bidgee River, (b) contorted shales west c the Boambola Crossing, Murrumbidge River, N.S.W.

* Mentioned specimens.

Entelophyllum yassense (Etheridge)

See *Heliophyllum yassense* Etheridge.

Entelophyllum yassense var. *patulum* (Foerste)

Hypotype F. 9778.

Hill, D., 1940. *Ibid.*, 65 (3–4), p. 413, pl. 13 figs 13a–b.

Silurian: Limestone Creek, near Bowning N.S.W.

Eridophyllum bartrumi Allan

= *Tipheophyllum bartrumi* (Allan)

Hypotypes (a) F. 17099 (AM. 3461), F. 1715 (AM. 3462), (b) F. 9581 (AM. 3443).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 7 (3), p. 271, pl. 11, fig. 4 (AM. 3461), fig 5 (AM. 3462), fig. 6 (AM. 3443).

Hill, D., 1956. *Bull. Geol. Surv. N.Z.*, 2 (1), p. 9.

Lower Middle Devonian: (a) Cavan, Mur rumbidgee River; (b) Clear Hill, west o Boambola Crossing, Murrumbidgee River N.S.W.

Falscicatenipora chillagoensis (Etheridge)

See *Halysites chillagoensis* Etheridge.

Favistella cerioides Hill

Holotype F. 5487 (AM. 717).

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.*, p. 5, pl. 2, figs 2a–b (AM. 717).

Upper Ordovician or ? Silurian: Chudleigh Limestone, Liena, Mersey River, Tasmania.

avistella neminghensis (Etheridge)

See *Columnaria neminghensis* Etheridge.

avosites sp. indet.

Figured specimen F. 45961.

Etheridge, R., 1899. *Rec. Geol. Surv. N.S.W.*, 6 (3), p. 168, pl. 17, figs 2–3.

Devonian (Moonbi Limestone): Beedle's Freehold, near Moonbi, northeast of Tamworth, N.S.W.

avosites basaltica (Goldfuss) var. *moonbiensis* Etheridge

= ? *Favosites bryani* Jones.

Syntypes F. 45964 (AM. 3967–8, original number M. 565*), F. 25231 (AM. 80).

Etheridge, R., 1899. *Ibid.*, p. 164, pl. 24, fig. 1 (AM. 3967), fig. 2 (AM. 3968); pl. 29, fig. 2 (AM. 80).

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 97, pl. 15, figs 1–2 (AM. 3967–8).

Hill, D., 1950. *Proc. R. Soc. Vic.*, 62 (2), p. 150.

Devonian (Moonbi Limestone): Beedle's Freehold, near Moonbi, northeast of Tamworth, N.S.W.

* Listed in error by Jones, 1937, as M. 575.

avosites basaltica (Goldfuss), var. *salebrosa* Etheridge

= *Favosites salebrosa* Etheridge

Lectotype (a) F. 4288 (AM. 47); hypotype (b) F. 6772 (AM. 2806–7).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 166, pl. 21, figs 3–5 (F. 4288); pl. 27, figs 1–2 (AM. 47).

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 95, pl. 14, fig. 4 (AM. 2806), fig. 5 (F. 2807), figs 2–3 (AM. 47).

Devonian: (a) Parish of Woolomol, near Tamworth, (b) Moore Creek, near Tamworth, N.S.W.

avosites bryani Jones

Holotype F. 5550 (AM. 93); paratype F. 8273 (AM. 560).

Jones, O. A., 1937. *Ibid.*, p. 96, pl. 15, figs 3–4 (AM. 93), figs 5–6 (?AM. 560*).

Hill, D., 1950. *Proc. R. Soc. Vic.*, 62 (2), p. 150.

Lower Middle Devonian: Good Hope, near Yass, N.S.W.

* Thin sections cut from F. 8273 are recorded by Jones (p. 97) as figured on pl. 15, figs 5–6. Explanation of plate (p. 102) lists them as from F. 366, University of Queensland specimen.

Tentatively referred to the above species by Hill, 1950, are *Favosites squamulifera* Etheridge, *F. basaltica* var. *moonbiensis* Etheridge and *F. murrumbidgeensis* Jones.

Favosites (?*Columnopora*) *duni* Etheridge

See *Gephuropora duni* Etheridge.

Favosites ? *crummeri* Etheridge

Holotype F. 45966 (AM. 3981, AM. 4687).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 171, pl. 19, figs 5–6 (F. 45966); pl. 35, fig. 1 (AM. 3981), fig. 2 (AM. 4687).

Devonian (Moore Creek Limestone): Moore Creek, near Tamworth, N.S.W.

Favosites goldfussi d'Orbigny

See *Favosites gothlandica* Etheridge (non Lamarck).

Favosites gothlandica Etheridge (non Lamarck)

=*Favosites goldfussi* d'Orbigny

Hypotypes (a) F. 4291 (AM. 46a-b), (b) F. 4292 (AM. 48a–b).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 162, pl. 22, fig. 1 (AM. 48b), fig. 2 (AM. 48a); pl. 23, fig. 1 (AM. 46b), fig. 2 (AM. 46a).

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 94, pl. 13, fig. 6 (AM. 46a); pl. 14, fig. 1 (AM. 46b).

Devonian (Woolomol Limestone): (a) Parish of Woolomol, Tamworth, (b) (Moore Creek Limestone): Moore Creek, near Tamworth, N.S.W.

Favosites grandipora Etheridge

Syntypes F. 1141a, F. 1141m, F. 1237e.

Etheridge, R., 1890. *Ibid.*, 1 (3), p. 61, pl. 8, figs 6–7, (F. 1141a), fig. 8 (F. 1237e), fig. 9 (F. 1141a).

Lower Devonian: Lilydale, Upper Yarra district, Victoria.

Favosites marginatus Hill

Holotype F. 5486, C6 (AM. 5865–6), F. 5486, C3.

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.*, p. 9, pl. 2, fig. 8a (AM. 5865), fig. 8b (AM. 5866).

Upper Ordovician or ?Silurian: Chudleigh Limestone, Liena, Mersey River, Tasmania.

Favosites marmionensis Etheridge

=*Thamnopora marmionensis* (Etheridge)

Syntype F. 16424 (AM. 890).

Etheridge, R., 1914. *Bull. geol. Surv. West. Aust.*, 58, p. 13; pl. 8, fig. 2 (AM. 890).

Hill, D., 1943. *J. R. Soc. West. Aust.*, 27 (1940–41), p. 66.

Permian (Noonkanbah Formation): Mount Marmion, Kimberley district, Western Australia.

Favosites multitabulata Etheridge

Holotype F. 45955 (AM. 3969–70).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 168, pl. 18, fig. 6 (F. 45955); pl. 26, fig. 1 (AM. 3970), fig. 2 (AM. 3969).

Devonian (Moonbi Limestone): Beedle's Freehold, near Moonbi, northeast of Tamworth, N.S.W.

Favosites murrumbidgeensis Jones

= ? *Favosites bryani* Jones

Holotype F. 9576 (AM. 2778–9).

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 98, pl. 16, fig. 3 (AM. 2778), fig. 4 (AM. 2779).

Hill, D., 1950. *Proc. R. Soc. Vic.*, 62 (2), p. 150.

Middle Devonian: Clear Hill, west of Boambolo Crossing, Murrumbidgee River, N.S.W.

Favosites pittmani Etheridge

Syntypes F. 45959, F. 45956 (AM. 3982–3).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 169, pl. 18, figs 1–2 (F. 45959); pl. 34, fig. 1 (AM. 3982), fig. 2 (AM. 3983).

Devonian (Moonbi Limestone): Beedle's Freehold, near Moonbi, northeast of Tamworth, N.S.W.

Favosites regularis Jones

Holotype F. 8748 (AM. 2776–7).

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 91, pl. 12, fig. 6 (AM. 2776); pl. 13, fig. 1 (AM. 2777).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

Favosites salebrosa Etheridge

See *Favosites basaltica* var. *salebrosa* Etheridge.

Favosites squamulifera Etheridge

= *Emmonsia squamulifera* (Etheridge)

= ?*Favosites bryani* Jones

Holotype F. 45960.

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 166, pl. 38, figs 4–5.

Jones, O. A., 1937. *Rec. Aust. Mus.*, 20 (2), p. 99.

Hill, D., 1950. *Proc. R. Soc. Vic.*, 62 (2), p. 150.

Devonian: Tamworth, N.S.W. (Horizon and exact locality unknown, considered by Etheridge, 1899, to be Woolomol Limestone).

Flabellum sp.

Specimens F. 2075, F. 1692.

Tenison-Woods, J. E. Labelled as figured specimens but reference to publication cannot be traced.

Miocene: Muddy Creek, near Hamilton, Victoria.

Flabellum cameratum Tenison-Woods

?Holotype F. 1693.

Tenison-Woods, J. E. Labelled as holotyp but reference to publication cannot b traced.

Miocene: Muddy Creek, 5 miles from Hamil ton, Victoria.

Fossopora wellingtonensis Etheridge

Holotype F. 2392 (AM. 129a-c).

Etheridge, R., 1903. *Rec. Aust. Mus.*, (1), p. 16, pl. 1, fig. 1 (AM. 129c), fig. (AM. 129b); pl. 2, figs 1–2 (AM. 129a)

"Siluro-Devonian": Wellington distric N.S.W.

Gen. et. sp. indet.*

Figured specimens F. 9909 (AM. 766), F 9910 (AM. 3437–8).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 7 (3), pl. 9, fig. 8a (AM. 3438), fig. 8 (AM. 3437), fig. 9 (AM. 766).

Lower Middle Devonian: Cavan, Murrum bidgee River, N.S.W.

* Not mentioned in text.

Gephuropora duni Etheridge

Syntypes AM. 4840, AM. 4784, AM. 4474 AM. 4700, AM. 4813.

Etheridge, R., 1920. *Rec. geol. Surv. N.S.W.* 9 (2), p. 56, pl. 14, fig. 2 (missing,) fig 3 (AM. 4784), fig. 4 (AM. 4474), fig. 5 (AM. 4813), pl. 15, fig. 1 (AM. 4840) fig. 2 (AM. 4700).

Jones, O. A., 1941. *Proc. R. Soc. Qd*, 5 (1), p. 54.

Middle Devonian: Cavan, Murrumbidge River, N.S.W.

Grypophyllum aggregatum Hill

= *Lyrielasma aggregatum* (Hill)

Holotype F. 10132 (AM. 773).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 7 (3), p. 268, pl. 11, figs 1a-d (AM. 773).

Strusz, D. L., 1966. *Palaeontology*, 9 (4). pp. 561, 567 and 570, pl. 89, figs 3a-c (F. 10132).

Lower Middle Devonian: Wee Jasper, Good radigbee River, N.S.W.

Halysites australis Etheridge

= *Acanthohalysites australis* (Etheridge).

Syntypes F. 4727 (AM. 690), F. 3181 (AM. 691); hypotype AM. 4740*.

Etheridge, R., 1898. *Rec. Aust. Mus.*, 3 (4), p. 78, pl. 17, figs 1–2 (F. 4727), figs 3–4 (F. 3181), fig. 5 (mislaid), figs. 6–8 (AM. 690).

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 29, pl. 6, fig. 4 (AM. 4740); pl. 7, fig. 6 and pl. 9, fig. 1 (AM. 690), pl. 9, fig. 2 (mislaid).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 404.

Silurian: Molong, N.S.W.

* Thin section AM. 4740 from F. 4889 (Mining Museum collection), identified since as *A. gamboolicus* (Etheridge).

alysites chillagoensis Etheridge

= *Falsicatenipora chillagoensis* (Etheridge)

Syntype F. 10692 (AM. 689).

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 36, pl. 8, figs 3–4.

Hamada, T., 1958. *J. Fac. Sci. Univ. Tokyo,* 11 (2), p. 99.

Silurian: Mungana, Chillagoe Goldfield, Queensland.

alysites cratus Etheridge

Syntypes F. 9004 (AM. 683, AM. 693). F. 9130.

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 27, pl. 1, fig. 1 (F. 9004); pl. 4, fig. 3 (F. 9130), fig. 4 (F. 9004); pl. 6, fig. 5 (AM. 683), fig. 6 (AM. 693).

Hamada, T., 1958. *J. Fac. Sci. Univ. Tokyo,* 11 (2), p. 101.

Silurian: L. Smith's Station, Portion 98, Parish Gamboola, County Wellington, N.S.W.

Halysites gamboolicus Etheridge

= *Acanthohalysites gamboolicus* (Etheridge)

Syntypes F. 45925 (AM. 4311), F. 9129.

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 35, pl. 5, fig. 1 (F. 9129), fig. 2 (F. 45925); pl. 6, fig. 3 (AM. 4311).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 404.

Halysites lithostrotonoides Etheridge

Syntypes F. 7623 (AM. 267), F. 7624, F. 7621 (AM. 298).

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 23, pl. 1, fig. 2 (F. 7624), fig. 3 (F. 7623); pl. 6, fig. 1 (AM. 267), fig. 2 (AM. 298); pl. 9, fig. 4 (F. 7624).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 402.

Silurian: Portions 98, 221, 222, Parish Barton, County Ashburnham, N.S.W.

Halysites orthopteroides Etheridge

= *Schedohalysites orthopteroides* (Etheridge)

Holotype F. 45929 (AM. 4004–5).

Etheridge, R., 1904. *Mem. geol Surv. N.S.W.*, Pal. 13 (1), p. 25, pl. 3, figs 1–2 (F. 45929); pl. 7, fig. 4 (AM. 4004), fig. 5 (AM. 4005).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 401.

Silurian: L. Smith's Station, Portion 98, Parish Barton, County Ashburnham, N.S.W.

Halysites peristephesicus Etheridge

= *Acanthohalysites peristephesicus* (Etheridge)

Syntyes F. 7959 (AM. 326, AM. 694), F. 9040, F. 10690.

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 34, pl. 2, fig. 1 (F. 7959), fig. 2 (F. 9040), fig. 3 (F. 10690); pl. 8, fig. 1 (AM. 326), fig. 2 (AM. 694).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 404.

Silurian: Quarry Creek, Portion 222, Parish Barton, County Ashburnham, N.S.W.

Halysites pycnoblastoides Etheridge

= *Acanthohalysites pycnoblastoides* (Etheridge)

Holotype F. 7616 (AM. 265, a, b).

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 32, pl. 4, figs 1–2 (F. 7616); pl. 8, fig. 5 (AM. 265a), fig. 6 (AM. 265b).

Hamada, T., 1957. *J. Fac. Sci. Univ. Tokyo,* 10 (3), p. 404.

Silurian: Spring Creek, Portion 221, Parish Barton, County Ashburnham, N.S.W.

Halysites sussmilchi Etheridge

Syntypes F. 7617 (AM. 679, AM. 697), F. 9050 (AM. 696).

Etheridge, R., 1904. *Mem. geol. Surv. N.S.W.*, Pal. 13 (1), p. 26, pl. 3, figs 3–4 (F. 7617); pl. 7, fig. 1 (AM. 696), fig. 2 (AM. 679), fig. 3 (AM. 697).

Hamada, T., 1958. *J. Fac. Sci. Univ., Tokyo,* 11 (2), p. 102.

Silurian: Spring Creek, Portion 221, Parish Barton, County Ashburnham, N.S.W.

Heliolites daintreei Nicholson and Etheridge

Hypotypes (a) F. 4108 (AM. 61), (b) F. 2608* (AM. 259).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.,* 51 (2), p. 199, pl. 6, figs 4A–C (AM. 61), figs 5A–B (AM. 259).

? Silurian: (a) Mount St George, Jenolan, (b) ? Lower Devonian: Wellington Caves, N.S.W.

* Specimen in Mining Museum collection, Sydney.

See also *Heliolites jackii* Dun, *H. regularis* var. *humewoodensis* Dun, *H. yassensis* Dun and ? *H. wellingtonensis* Dun,

95540—2

Heliolites distans Dun

= ***Plasmopora heliolitoides*** Lindström.

Lectotype (a) F. 5173 (misprinted 5178 in explanation to plate) AM. 56; paralectotype (b) F. 445* (original number 3828, misprinted 1828 in explanation to plate) AM. 3998, AM. 3610; mentioned F. 4082 (AM. 140), F. 435* (AM. 4568, original number M. 588); F. 428* (AM. 4576; original number M. 586).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 258, pl. 19, fig. 3 (AM. 3998), fig. 4 (AM. 3610), fig. 5 (AM 56A), fig. 6 (AM. 56B).

Jones, O. A., and Hill, D., 1940 *Proc. R. Soc. Qd.*, 51 (2), p. 205, pl. 9, figs 5 (AM. 56); pl. 10, figs 1A–B (AM. 56).

Silurian: (a) Yass, (b) Old Limekilns Ridge, Humewood, N.S.W.

* Specimens in Mining Museum collection, Sydney.

See also *Heliolites distans* var. *humewoodensis* Dun. *H. distans* var. *intermedia* Dun and *H. distans* var. *minuta* Dun.

Heliolites distans var. *humewoodensis* Dun

= *Plasmopora heliolitoides* Lindström.

Lectotype F. 4082A (AM. 43); mentioned F. 5547 (AM. 71), F. 5548 (AM. 72).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 261, pl. 20, figs 3–4 (AM. 43).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p. 205, pl. 9, figs 4 (AM. 43).

Upper Silurian: Old Limekilns Ridge, Humewood, N.S.W.

Heliolites distans var. *intermedia* Dun

= *Plasmopora heliolitoides* Lindström.

Lectotype F. 5556 (AM. 76); mentioned F. 5555 (AM. 75), F. 2433 (AM. 52); thin sections AM. 3760, AM. 3986 (original number M. 610), AM. 3991–2 (original number M. 602).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 261, pl. 20, figs 5–6 (AM. 76).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p. 205, pl. 10, fig. 2 (AM. 76).

Upper Silurian: Old Limekilns Ridge, Humewood, N.S.W.

Heliolites distans var. *minuta* Dun

= *Plasmopora heliolitoides* Lindström.

Lectotype (a) F. 5553 (AM. 73); paralectotypes F. 5554 (AM. 74), (b) F. 2461 (AM. 53).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 262, pl. 21, figs 1–2 (AM. 73), fig. 3 (AM. 237*), fig. 4 (AM. 73).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p. 205, pl. 10, figs 3A–C (AM. 73).

Upper Silurian: (a) Old Limekilns Ridge, Humewood, (b) Bowning, near Yass, N.S.W.

* Specimen and thin-section mislaid.

Heliolites jackii Dun

= *Heliolites daintreei* Nicholson and Etheridge.

Lectotype (a) F. 5174 (AM. 57); paralectotypes AM. 261 = 19; (b) F. 35787 = F. 446 (AM. 4056, AM. 6446, original number M. 607); mentioned F. 35750 = F. 455 (AM. 4601–2, original number M. 615), (c) F. 4081, not F. 4801, (AM. 60), (d) F. 4498 (AM. 55), (e) F. 45951 = F. 440 (AM. 4594–5, original number M. 600), (f) F. 2536 * (AM. 4044, AM. 4057, original number M. 611).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 257, pl. 18, fig. 6 (AM. 261); pl. 20, fig. 1 (AM 4056), fig 2 (AM. 6446)

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p 199, pl. 7, figs 5A–B (AM. 57); pl. 8, fig. 1 (AM. 261).

Upper Silurian: (a) Yass, (b) Hatton's Corner, near Yass, (c) Humewood, N.S.W., (d) Yarralumla, A.C.T., (e) Old Limekilns Ridge, Humewood, (f) Quidong, N.S.W.

* Specimen in Mining Museum, Sydney.

Heliolites porosus (Goldfuss)

Hypotypes (a) F. 6039, (b) F. 45952 (AM. 4629–30).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 173, pl 19, figs 3–4 (F. 6039); pl. 25, fig. 1 (AM. 4630), fig. 2 (AM. 4629).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p. 204.

Middle Devonian: (a) Woolomol, near Tamworth, (b) Moore Creek, near Tamworth, N.S.W.

Heliolites regularis Dun

= *Plasmopora gippslandica* (Chapman)

Holotype F. 443 *, original numbers 925, 975, (AM. 3783–4, AM. 4007, original number M. 174).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 15 (4), p. 256, pl. 18, fig. 2 (AM. 3784 or F. 3783), fig. 3 (AM. 4007).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd.*, 51 (2), p. 206.

Upper Silurian: Limestone Creek, near Yass, N.S.W.

* Holotype specimen in Mining Museum, Sydney.

See also *Plasmopora gippslandica* (Chapman).

Heliolites regularis var. *humewoodensis* Dun

= *Heliolites daintreei* Nicholson and Etheridge.

Holotype F. 427*, original number 3616 (AM. 3614–5, original number M. 585).

Dun, W. S., 1927. *Rec. Aust. Mus.,* 15 (4), p. 257, pl. 18, fig. 4 (AM. 3614), fig. 5 (AM. 3615).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd,* 51 (2), p. 199.

Upper Silurian: Old Limekilns Ridge, Humewood, near Yass, N.S.W.

* Specimen in Mining Museum Collection, Sydney.

Heliolites wellingtonensis (nom. nud.) Dun.

= ? *Heliolites daintreei* Nicholson and Etheridge.

Specimen F. 3491* (AM. 3963–4, original number M. 577).

Dun, W. S., 1927. *Rec. Aust. Mus.,* 15 (4), p. 256.

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd,* 51 (2), p. 199.

? Lower Devonian: Wellington, N.S.W.

* Specimen in Mining Museum Collection, Sydney.

Heliolites yassensis Dun

= *Heliolites daintreei* Nicholson and Etheridge.

Lectotype F. 5176 (AM. 62); paralectotype F. 434*, original number 974, misprinted as 794 (AM. 3993–4, AM. 3609, AM. 3814, original number M. 173).

Dun, W. S., 1927. *Rec. Aust. Mus.,* 15 (4), p. 255, pl. 18, fig. 1 (AM. 62).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd,* 51 (2), pl. 7, figs 4-b (AM. 62).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

* Specimen in Mining Museum Collection, Sydney.

Heliophyllum chillagoense (Etheridge)

See *Cyathophyllum chillagoensis* Etheridge.

Heliophyllum yassense Etheridge

= *Entelophyllum yassensis* (Etheridge).

Syntype (a) AM. 4015*; hypotypes (b) F. 8846 (AM. 677), (c) F. 15917 (AM. 3292–3).

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.,* 2 (4), p. 170, pl. 12, fig. 3 (AM. 4015).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.,* 65 (3–4), p. 412, pl. 13, fig. 11a (AM. 677a), fig. 11b (AM. 677b), fig. 12a (AM. 3292), fig. 12b (AM. 3293).

Upper Silurian: (a) Hatton's Corner, near Yass, (b) Barber's Creek, branch of Derrengullen Creek, near Bowning, (c) Shale below limestone, Rainbow Hill, near Yass, N.S.W.

* Other syntypes missing.

Hercophyllum aff. *shearsbyi* (Sussmilch)

Figured specimen F. 17236 (AM. 3310–11); mentioned F. 17234* (AM. 1005), F. 17235 (AM. 3306–8).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.,* 65 (3–4), p. 403, pl. 12, fig. 7a (AM. 3310), fig. 7b (AM. 3311).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

* Misprinted by Hill as F. 12734.

Hercophyllum shearsbyi (Sussmilch)

= *Phaulactis shearsbyi* (Sussmilch).

Hypotype F. 4211 (AM. 2980).

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.,* p. 7, pl. 2, fig. 4 (AM. 2980).

Silurian: Gordon River, Tasmania.

See also *Phaulactis shearsbyi* (Sussmilch).

Koninckophyllum inopinatum Etheridge

= *Amygdalophyllum inopinatum* (Etheridge).

Lectotype F. 1606*; paralectotype F. 6849 (AM. 130).

Etheridge, R., 1900. *Bull. geol. Surv. Qd,* 12, p. 20, pl. 1, fig. 2 (AM. 130); pl. 2, fig. 9 (F. 1606), fig. 10 (AM. 130).

Hill, D., 1934. *Proc. R. Soc. Qd,* 45, p. 68.

Lower Carboniferous: Lion Creek, Stanwell, near Rockhampton, Queensland.

* Lectotype in Geological Survey of Queensland.

Lithostrotion sp.

Mentioned F. 39842–4.

Raggatt, H. G., 1941. *Aust. J. Sci.,* 3 (6), p. 170.

Carboniferous: Ten miles northwest of Ashford, N.S.W.

Lithostrotion ? arundineum Etheridge

= *Lithostrotion arundineum* Etheridge.

Lectotype (a) F. 1602*; paralectotypes F. 6855 (AM. 125), F. 6854 (AM. 125c); hypotypes (b) F. 6546 (AM. 184), (c) AM. 1053.

Etheridge, R., 1900. *Bull. geol. Surv. Qd,* 12, p. 19, pl. 1, fig. 3 (F. 1602), fig. 4 (AM. 125a); pl. 2, fig. 6 (AM. 125c).

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.,* 54, p. 61, pl. 4, figs 2–2a (AM. 1053).

Hill, D., 1934. *Proc. R. Soc. Qd,* 45, p. 87, pl. 10, fig. 36 (AM. 184).

Lower Carboniferous: (a) Lion Creek, Stanwell, near Rockhampton, Queensland; (b) near Eulowrie, (c) Parish of Hall, 16 miles south of Bingara, N.S.W.

* Lectotype in Geological Survey of Queensland.

Lithostrotion near *L. arundineum* Etheridge

Figured specimen AM. 1042.

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.*, 54, p. 63, pl. 3, fig. 2.

Lower Carboniferous: Parish of Hall, 16 miles south of Bingara, N.S.W.

Lithostrotion arundineum cf. *Cionodendron columen* Benson and Smith

Figured specimen F. 6544 (AM. 565).

Benson, W. N., and Smith, S., 1923. *Qd Jl. geol. Soc. Lond.*, 79 (2), p. 166.

Hill, D., 1934. *Proc. R. Soc. Qd,* 45, p. 88, pl. 10, figs 37–38 (AM. 565).

Lower Carboniferous: Horton River, between Eulowrie and Pal Lal, N.S.W.

Lithostrotion ? columnare Etheridge

= *Lithostrotion columnare* Etheridge.

Lectotype F. 1604*; paralectotypes F. 6843 (AM. 112a, b), F. 6848 (AM. 102), F. 6846 (AM. 113); hypotype AM. 1054–5.

Etheridge, R., 1900. *Bull. geol. Surv. Qd,* 12, p. 18, pl. 1, fig. 1 (AM. 112a); pl. 2, fig. 1 (F. 1604), fig. 2 (AM. 102), fig. 3 (AM. 113), fig. 4 (AM. 112b), fig. 5 (missing).

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.*, 54, p. 61, pl. 5, figs 1 and 1a (AM. 1054), fig. 2 (AM. 1055).

Lower Carboniferous: Lion Creek, Stanwell, near Rockhampton, Queensland.

* Lectotype in Queensland Geological Survey.

Lithostrotion columnare Hill (non Etheridge)

See *Lithostrotion parvicolumnare* Pickett.

Lithostrotion columnare semimensurum Fleming

Holotype F. 6844 (AM. 104).

Unpublished Honour's Thesis University of Queensland.

Lower Carboniferous: Lion Creek, Stanwell, near Rockhampton, Queensland.

Lithostrotion hallense Pickett

See *Lithostrotion stanvellense* Etheridge (in part).

Lithostrotion martini Edwards and Haime

Hypotypes (a) AM. 1047, (b) AM. 1048, (c) AM. 1049.

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.*, 54, p. 59, pl. 4, figs 4a–c (AM. 1047), fig. 5 (AM. 1048), fig. 6 (AM. 1049).

Lower Carboniferous: (a) Narrowdale, Derbyshire, (b) Alston, Cumberland, (c) Settle, Yorkshire, England.

Lithostrotion parvicolumnare Pickett.

Hypotypes F. 6543 (AM. 331), F. 6541 (AM. 186a).

Hill, D., 1934. *Proc. R. Soc. Qd,* 45, p. 84, pl. 10, fig. 23 (AM. 331), fig. 24 (AM. 186a).

Pickett, J., 1966. *Mem. geol. Surv. N.S.W.*, Pal. 15, p. 18.

Lower Carboniferous: Horton River, between Eulowrie and Pal Lal, N.S.W.

Lithostrotion ? stanvellensis Etheridge

= *Lithostrotion stanvellense* Etheridge.

= *Lithostrotion hallense* Pickett (in part).

Lectotype (a) F. 1603*; paralectotypes F. 6850 (AM. 123), F. 6851 (AM. 124); hypotypes AM. 1051–2, (b) AM. 1041–46.

Etheridge, R., 1900. *Bull. geol. Surv. Qd,* 12, p. 20, pl. 1, fig. 5 (F. 1603); pl. 2, fig. 7 (AM. 123), fig. 8 (AM. 124).

Smith, S., 1920. *J. Proc. R. Soc. N.S.W.*, 54, p. 51, pl. 3, fig. 1 (AM. 1041), fig. 3 (AM. 1043), fig. 4 (AM. 1044), fig. 5 (AM. 1045), fig. 6 (AM. 1046); pl. 4, fig. 1 (AM. 1051), fig. 3 (AM. 1052).

Benson, W. N., and Smith, S., 1923. *Q. Jl. geol. Soc. Lond.*, 79 (2), p. 167, pl. 9, fig. 3 (AM. 1044), fig. 6 (AM. 1052).

Pickett, J., 1966. *Mem. geol. Surv. N.S.W.*, Pal. 15, p. 15.

Lower Carboniferous: (a) Lion Creek, Stanwell, near Rockhampton, Queensland; (b) Hall's Creek, Parish of Hall, near Bingara, N.S.W.

* Lectotype in Geological Survey of Queensland.

Pickett, J., refers specimens figured by Benson and Smith, pl. 9, fig. 3, and Smith, pl. 3, figs 1 and 3–6 to his species *Lithostrotion hallense.*

Litophyllum konincki Etheridge and Foord

Hypotype F. 45938 (AM. 3940).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 178, pl. 18, fig. 7 (F. 45938); pl. 36, fig. 1 (AM. 3940), fig. 2 and pl. 37, fig. 1 (mislaid).

Middle Devonian: Moore Creek, near Tamworth, N.S.W.

Lonsdaleia? (Spongophyllum) bipartita Etheridge

= ? *Australophyllum spongophylloides* (Foerste).

Syntypes F. 45907—8, AM. 3617, AM. 3755.

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.*, 1 (1), p. 22, pl. 3, figs 1–2 (F. 45908), fig. 3 (AM. 3617), fig. 4 (F. 45907), fig. 5 (AM. 3755).

Jones, O. A., 1932, *Proc. R. Soc. Qd,* 44 (4) p. 52.

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 408.

Strusz, D. L., 1966. *Palaeontology,* 9 (4), p. 585.

Upper Silurian: Humewood, near Yass, N.S.W.

Referred to the genus *Spongophyllum* by Jones, 1932, and Hill, 1940.

ophophyllum corniculum de Koninck.

Hypotype F. 35533, F. 35535 (parts of single specimen).

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5, p. 18, pl. 10, fig. 7 (F. 35533, F. 35535), fig. 8 (F. 35533), fig. 9 (F. 35535).

Carboniferous: Dungog Road, 19 miles from West Maitland, Parish of Barford, County Durham, N.S.W.

yrielasma aggregatum (Hill)

ee *Grypophyllum aggregatum* (Hill)

yrielasma subcaespitosum (Chapman)

Hypotype F. 1329 (AM. 3318–20).

Hill, D., 1939. *Proc. R. Soc. Vict.*, 51 (2), p. 244, pl. 14, figs 4, 4a (AM. 3318), fig. 5 (AM. 3319), fig. 6 (AM. 3320).

Lower Devonian: Lilydale, Victoria.

Mesophyllum cornubovis (Etheridge)

See *Actinocystis cornubovis* Etheridge.

Michelinia sp.

= *Michelinia porifera* Pickett.

Figured specimen F. 46237.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5, p. 28, pl. 4, fig. 1.

Pickett, J., 1966. *Ibid,* Pal. 15, p. 33.

Lower Carboniferous: Carroll, near Somerton, County Buckland, N.S.W.

Michelinia porifera Pickett.

See *Michelinia* sp.

Microplasma parallelum Etheridge.

Holotype F. 35524 (AM. 3971, AM. 4063).

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 161, pl. 19, figs 1–2 (F. 35524); pl. 30, fig. 1 (AM. 4063), fig. 2 (AM. 3971).

Devonian (Moore Creek Limestone): Moore Creek, near Tamworth, N.S.W.

Mictocystis endophylloides Etheridge

Syntypes F. 13616–7.:

Etheridge, R., 1908. *Rec. Aust. Mus.*, 7 (1), p. 18, pl. 4, figs 1–4 (F. 13616); pl. 5 (F. 13617).

Upper Silurian: Junction of Spring and Gap Creeks, portion 98, Parish Barton, County Ashburnham, N.S.W.

Mictophyllum creswelli (Chapman).

= *Sterictophyllum creswelli* (Chapman).

Hypotypes F. 1146 (AM. 3296–7), F. 1242 (AM. 3298–9).

Hill, D., 1939. *Proc. R. Soc. Vict.*, 51 (2), p. 246, pl. 14, fig. 7 (AM. 3296), fig. 8 (AM. 3297), fig. 10 (AM. 3299), fig. 11 (AM. 3298).

Pedder, A. E. H., 1965. *Ibid.*, 78 (2), p. 211.

Lower Devonian: Lilydale, Victoria.

Mictophyllum trochoides Hill.

= *Cavanophyllum trochoides* (Hill).

Holotype (a) F. 17110 (AM. 2973); mentioned (b) F. 37800 (AM. 2979).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 265, pl. 11, figs 7a–b (AM. 2973).

Pedder, A. E. H., 1965. *Proc. R. Soc. Vict.*, 78 (2), p. 216.

Lower Middle Devonian: (a) Cavan, near Taemas, (b) Cave Flat, Murrumbidgee River, N.S.W.

Mitcheldeania (?) *cribriformis* Etheridge

= *Tetradium cribriformis* (Etheridge).

Lectotype F. 13579 (AM. 817a–c).

Etheridge, R., 1909. *Rec. geol. Surv. N.S.W.*, 8 (1), p. 308, pl. 47, fig. 1 (AM. 817a), fig. 2 (AM. 817c); pl. 48, figs 1–5 (AM. 817a–b).

Hill, D., 1957. *J. Proc. R. Soc. N.S.W.*, 91 (2), p. 98, pl. 2, fig. 1 (AM. 817).

Middle Ordovician: Bank of Belubula River, 18 miles south of Canobolas, Parish of Malongulli, N.S.W.

Monilopora nicholsoni Etheridge

= *Cladochonus nicholsoni* (Etheridge).

Syntype F. 16418 (AM. 889); hypotypes F. 16820, F. 16712.

Etheridge, R., 1914. *Bull. geol. Surv. West. Aust.*, 58, p. 14, pl. 1, figs 2–3 (missing); pl. 7, fig. 4 (AM. 889).

Etheridge, R., 1918. *Proc. S. Aust. Brch geog. Soc. Aust.*, 18, p. 252, pl. 39, fig. 2 (F. 16820), fig. 3 (F. 16712).

Hill, D., 1943. *J. R. Soc. West. Aust.*, 27 (1940–1), p. 69.

Permian (Noonkanbah Formation): Mount Marmion, Western Australia.

Montlivaltia discus Tenison-Woods

Holotype F. 1696 or F. 1031.

Tenison-Woods, J. E., 1878. *J. Proc. R. Soc. N.S.W.*, 12, p. 57, pl. —, figs 1a–c.

Miocene: Muddy Creek, near Hamilton, Victoria.

Mucophyllum crateroides Etheridge

= *Mycophyllum crateroides* (Etheridge)

Lectotype (a) F. 3048; paralectotypes (b) AM. 4006, AM. 4669; hypotypes F. 8296, F. 5170 (AM. 797); mentioned (c) F. 8297 (AM. 796).

Etheridge, R., 1894. *Rec. geol. Surv. N.S.W.*, 4 (1), p. 18, pl. 4, fig. 3 (F. 3048), fig. 4 (AM. 4006), fig. 5 (AM. 4669); pl. 3, figs 1–2 and pl. 4, figs 1–2 (missing).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 400, pl. 12, fig. 1 (F. 8296), fig. 2 (AM. 797).

Upper Silurian: (a) Humewood, near Yass, (b) Hatton's Corner, near Yass, (c) Yass, N.S.W.

Mycophyllum crateroides (Etheridge)

See *Mucophyllum crateroides* Etheridge

Mycophyllum liliiforme (Etheridge)

See *Tryplasma liliiformis* Etheridge

Nyctopora ? stevensi Hill

Figured specimen F. 46752 (AM. 6148–9).

Hill, D., 1957. *J. Proc. R. Soc. N.S.W.*, 91 (2), p. 100, pl. 2, figs 8a–b (AM. 6148–9).

Middle Ordovician (Cliefden Caves Limestone): Fossil Hill, Cliefden Caves, near Mandurama, N.S.W.

Phacellophyllum porteri (Etheridge)

See *Diphyphyllum ? porteri* Etheridge

Phaulactis shearsbyi (Sussmilch)

Hypotype F. 25841 (AM. 3334).

Hill, D., 1935. *Geol. Mag.*, 122 (No. 857), p. 507, text fig. 18D.

Upper Silurian: Silverdale, near Yass, N.S.W.

See also *Hercophyllum shearsbyi* (Sussmilch).

Phillipsastraea currani Etheridge

Lectotype F. 51357, original number F. 836, (AM. 6388–9, AM. 4847); paralectotypes F. 46015, original number F. 835, (AM. 3995), AM. 3766.

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.*, 2 (4), p. 166, pl. 11, fig. 1 (F. 46015), fig. 2 (F. 51357), fig. 3 (AM. 4847), fig. 4 (AM. 3995), fig. 5 (AM. 3766), fig. 6 (AM. 3995).

Smith, S., 1945. *Spec. Pap. geol. Soc. Am.*, 59, p. 40, pl. 19, figs 3a–b (AM. 6386), fig. 3c (AM. 6387), fig. 4a (AM. 6388), fig. 4b (AM. 6389).

Devonian: Limekilns, 17 miles north of Bathurst, N.S.W.

Phillipsastraea grandis Dun

= *Eddastraea grandis* Dun

Type material missing*.

Dun, W. S., 1918. *Proc. Linn. Soc. N.S.W.* 43 (2), p. 379, pl. 35, figs 4–5.

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, (3), p. 148.

Middle Devonian (Loomberah Limestone near Tamworth, N.S.W.

Phillipsastraea walli Etheridge

= *Zenophila walli* (Etheridge)

Holotype AM. 4672.

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.* 2 (4), p. 169, pl. 11, fig. 7.

Upper Silurian: Hatton's Corner, near Yass N.S.W.

See also *Zenophila walli* (Etheridge).

Placotrochus elegans Tenison-Woods

Holotype F. 1697.

Tenison-Woods, J. E., 1877. *J. Proc. R. Soc. N.S.W.*, 11, p. 189, pl. 1, figs 1, 1a

Miocene: Muddy Creek, near Hamilton, Victoria.

Plasmopora gippslandica (Chapman)

Hypotypes (a) F. 5512 (AM. 66), (b) F. 6936 (AM. 271).

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd*, 51 (2), p. 206, pl. 10, fig. (AM. 271), pl. 11, fig. 1 (AM. 66).

?Lower Middle Devonian: (a) Johannsen's Caves, near Rockhampton, Queensland. Middle Devonian: (b) Nundle Road, near Tamworth, N.S.W.

See also *Heliolites regularis* Dun.

Plasmopora sp. cf. *P. gippslandica* (Chapman)

Figured specimen F. 39300 (AM. 3343).

Jones, O. A., and Hill, D., 1940. *Ibid.*, p. 208, pl. 11, fig. 2

'Silurian: Boomerang Tank, Canbelago, near Cobar, N.S.W.

Plasmopora heliolitoides Lindström

See *Heliolites distans* Dun

See *Heliolites distans* var. *humewoodensis* Dun

See *Heliolites distans* var. *intermedia* Dun

See *Heliolites distans* var. *minuta* Dun

Plasmopora shearsbyi Dun

= *Propora conferta* Edwards and Haime

Lectotype (a) AM. 256 (E. 21); paralectotypes (b) F. 3805* (AM. 3758, AM. 3761, AM. 3975 original number M. 243); F. 3498* (AM. 3611 original number M. 175); (c) F. 3815* (AM. 4659–61 original number M. 291).

Dun, W. S., 1927. *Rec. Aust. Mus.*, 14 (4), p. 262, pl. 21, fig. 5 (AM. 3758), fig. 6 (AM. 3761).

Upper Silurian: (a) Yass, (b) Hatton's Corner, near Yass, (c) Bungonia, east of Goulburn, N.S.W.

* Specimens possibly in Mining Museum, Sydney.

See also *Propora conferta* Edwards and Haime.

Plasmoporella cf. *convexotabulata* Kiaer

Figured specimen F. 5486b (AM. 6392), original number C. 3.

Hill, D., 1941. *Pap. Proc. R. Soc. Tasm.*, p. 9, pl. 2, fig. 9 (AM. 6392).

Upper Ordovician or Silurian (Chudleigh Limestone): Liena, Mersey River, Tasmania.

Propora conferta Edwards and Haime

Mentioned (a) F. 8233* (AM. 553), (b) F. 4083 (AM. 54, AM. 64), (c) AM. 256**.

Jones, O. A., and Hill, D., 1940. *Proc. R. Soc. Qd*, 51 (2), p. 209, pl. 11, fig. 5 (AM. 256).

Upper Silurian: (a) Portion 161, Parish Yass, (b) Old Limekilns Ridge, Humewood, near Yass, (c) Yass, N.S.W.

* Specimen missing.

** Lectotype of *Plasmopora shearsbyi* Dun.

See also *Plasmopora shearsbyi* Dun.

Pseudamplexus sp.

Mentioned specimen F. 741*.

Hill, D., 1940. *Ibid.*, p. 160.

Middle Devonian: Beedle's Freehold, Portion 163, Parish Nemingha, Moonbi, N.S.W.

* Incorrect number according to Museum register.

Pseudamplexus princeps (Etheridge)

See *Tryplasma princeps* Etheridge

Pycnostylus congregationis (Etheridge)

See *Tryplasma congregationis* Etheridge

Pycnostylus dendroides (Etheridge)

See *Tryplasma dendroidea* Etheridge

Rhizophyllum australe Etheridge.

= *Rhizophyllum interpunctatum* de Koninck

Hypotypes (a), F. 37048, (b) F. 37050, F. 37052.

Etheridge, R., 1891. *Rec. Aust. Mus.* 1 (10), p. 202, pl. 30, figs 1–6.

*Shearsby, A. J., 1906. *Geol. Mag.*, Decade 5, 3 (12), p. 551, pl. 26, fig. 8 (F. 37048), fig. 23 (F. 37050), fig. 24 (F. 37052).

Upper Silurian: (a) Hatton's Corner, near Yass, (b) Derrengullen Creek, near Yass N.S.W.

See also *Rhizophyllum interpunctatum* de Koninck.

Rhizophyllum enorme Etheridge

Syntypes F. 45944–45.

Etheridge, R., 1903. *Rec. geol. Surv. N.S.W.*, 7 (3), p. 232, pl. 47, figs 1–3 (F. 45944), figs 4–7 (F. 45945).

Hill, D., and Jones, O. A., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (2), p. 182.

Upper Silurian: Boree Creek, Portion 3, Parish Cudal, County Ashburnham, near Molong, N.S.W.

Rhizophyllum interpunctatum de Koninck

Hypotypes F. 37045, F. 37051, F. 37053–4, F. 37057–8, syntype (a) F. 1825; (b) F. 37044, F. 37046–7, F. 37049.

Etheridge R., 1891. *Rec. Aust. Mus,,* 1 (10), p. 203, pl. 30, figs 14–15 (F. 1825), figs 7–13 (missing).

Shearsby, A. J., 1906. *Geol. Mag. Lond.*, Decade 5, 3 (12), p. 549, pl. 26, figs 9–11 (F. 37054), fig. 12 (F. 37058), fig. 12a (F. 37057), figs 13–15 (F. 37051), fig. 16 (F. 37053), figs 17–18 (F. 37045), fig. 20 (F. 37044), fig. 21 (F. 37049), fig. 22 (F. 37046), fig. 25 (F. 37047).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 394.

Upper Silurian: (a) Hatton's Corner, near Yass, (b) Derrengullen Creek, Yass, N.S.W.

See also *Rhizophyllum australe* Etheridge.

Rhizophyllum robustum Shearsby

Lectotype (a) F. 37056; paralectotype (b) F. 37043; hypotype (c) F. 26872 (AM. 3326–7).

Shearsby, A. J., 1906. *Geol. Mag. Lond.*, Decade 5, 3 (12), p. 548, pl. 26, figs 1–6 (F. 37056), fig. 19 (F. 37043).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 396, pl. 11, fig. 11a (AM. 3326), fig. 11b (AM. 3327).

Upper Silurian: (a) Hatton's Corner, near Yass, (b) Derrengullen Creek, near Yass, (c) Limestone Creek, near Bowning, N.S.W.

Rhizophyllum yassense Shearsby

Holotype F. 37055.

Shearsby, A. J., 1905. *Ibid.*, 29 (4), p. 869, pl. 26, figs 1–7.

Hill, D., 1940. *Ibid.*, 65 (3–4), p. 396, pl. 11, figs 12a–b.

Upper Silurian: Shales in Derrengullen Creek at the junction with Limestone Creek, near Yass, N.S.W.

Sanidophyllum colligatum (Etheridge)

See *Endophyllum schluteri* var. *colligatum* Etheridge

Sanidophyllum davidis Etheridge

Syntypes F. 4290 (AM. 50), F. 6040.

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 154, pl. 16 (F. 6040); pl. 17, fig. 1 (F. 4290); pl. 19, fig. 7 (AM (50a); pl. 20, fig. 4 (AM. 50b), fig. 5 (AM. 50); pl. 38, fig. 2 (AM. 50d).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 156.

Devonian (Moore Creek Limestone): Moore Creek, one mile north of Tamworth, N.S.W.

Schedohalysites orthopteroides (Etheridge)

See *Halysites orthopteroides* Etheridge

Smilotrochus vacuus Tenison-Woods

Holotype F. 1694,

Tenison-Woods, J. E., 1877. *J. Proc. R. Soc. N.S.W.*, 11, p. 190, pl. 2, figs 2, 2a.

Miocene: Muddy Creek, near Hamilton, Victoria.

Spongophyllum sp.

Figured specimen F. 11406 (AM. 805).

Etheridge, R., 1911. *Publ. geol. Surv. Qd*, No. 231, p. 8, pl. B, figs 3–4 (AM. 805).

Jones, O. A., 1932. *Proc. R. Soc. Qd*, 44 (4), p. 54.

Upper Silurian: Chillagoe, Queensland.

Spongophyllum cyathophylloides Etheridge

= *Australophyllum cyathophylloides* (Etheridge)

Lectotype F. 9494–7—portions of single specimen (AM. 734); paralectotype F. 9717–8 (AM. 739).

Etheridge, R., 1911. *Publ. geol. Surv. Qd.*, No. 231, p. 7, pl. A, fig. 3 (AM. 734a); pl. C, fig. 1 (AM. 739), fig. 2 (AM. 734b).

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44 (4), p. 55.

Hill, D., 1939. *Ibid.*, 50 (1), p. 61, pl. 5, fig. 3 (26C)*, fig. 4 (28C)*.

Stumm, E. C., 1949. *Mem. geol. Soc. Am.*, 40, p. 34.

Strusz, D. L., 1966. *Palaeontology*, 9 (4), p. 584.

Devonian: Clermont, Queensland.

* Portion of lectotype (26C) and paralectotype (28C) in Geological Survey of Queensland.

Spongophyllum enorme Etheridge

= *Yassia enormis* (Etheridge).

Lectotype F. 8572; paralectotypes F. 8769–70, F. 8842–3 (AM. 674, AM. 869), F. 8843 (AM. 847).

Etheridge, R., 1899. Ibid., 6 (3), P. 117, (3), p. 35, pl. 4 (F. 8572); pl. 5 (F. 8770); pl. 6 (F. 8769); pl. 7, fig. 1 (AM. 847), fig. 2 (AM. 674), fig. 3 (AM. 869).

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44 (4), p. 61.

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 409.

Upper Silurian: Escarpment northeast of Boonoo Ponds Creek, Hatton's Corner, near Yass, N.S.W.

Jones, 1932, referred the species to the genus *Crinophyllum*.

Spongophyllum giganteum Etheridge

= *Australophyllum giganteum* (Etheridge).

Lectotype F. 4294 (AM. 18); paralectotypes F. 45913 (AM. 3949), F. 4315 (AM. 51), F. 4293.

Etheridge, R., 1899. *Rec. geol. Surv. N.S.W.*, 6 (3), p. 158, pl. 20, fig. 1 (F. 4293), fig. 2 (AM. 18), fig. 3 (AM. 3949); pl. 38, fig. 3 (AM. 51).

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44 (4), p. 54.

Strusz, D. L., 1966. *Palaeontology*, 9 (4), p. 54.

Middle Devonian: Moore Creek, near Tamworth, N.S.W.

Spongophyllum halysitoides Etheridge

= *Spongophyllum halysitoides halysitoides* Etheridge.

Holotype (a) F. 16453 (AM. 187); mentioned (b) F. 6760 (AM. 206).

Etheridge, R., 1918. *Rec. Aust. Mus.*, 12 (4), p. 49, pl. 7, fig. 1 (F. 16453), figs 2–3 (AM. 187).

Jones, O. A., 1932. *Proc. R. Soc. Qd.*, 44 (4), p. 56.

Hill, D., 1940. *Ibid.*, 51 (2), p. 162 (F. 6760).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 161, pl. 2, fig. 5 (AM. 187).

Strusz, D. L., 1966. *Palaeontology*, 9 (4), p. 573.

Middle Devonian: (a) Road near Beedle's Farm, Moonbi, County Inglis, (b) Moore Creek, near Tamworth, N.S.W.

Spongophyllum spongophylloides Foerste

See *Lonsdaleia* (Spongophyllum) *bipartita* Etheridge.

Sterictophyllum creswelli (Chapman)

See *Mictophyllum creswelli* (Chapman).

ymplectophyllum mutatum Hill*

Mentioned specimens F. 39829–37, F. 39839–41.

Raggatt, H. G., 1941. *Aust. J. Sci.*, 3 (6), p. 170.

Carboniferous: Ten miles northwest of Ashford, N.S.W.

* Material identified by Dr D. Hill.

Syringopora auloporoides de Koninck

Hypotype F. 45939 (AM. 4782, AM. 4808).

Etheridge, R., 1899. *Rec. geol. Sur. N.S.W.*, 6 (3), p. 174, pl. 28, fig. 1 (AM. 4782), fig. 2 (AM. 4808).

Middle Devonian: Parish of Woolomol, near Tamworth, N.S.W.

Syringopora bellensis Etheridge

Holotype F. 844* (AM. 3786, AM. 4333).

Etheridge, R., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 149, pl. 16, figs 1–5 (F. 844), fig. 6 (AM. 3786), figs 7–8 (AM. 4333), fig. 9 (missing).

? Lower Devonian: Wellington, N.S.W.

* Specimen possibly in Mining Museum, Sydney.

Syringopora novae-cambrensis Etheridge

Holotype F. 45940 (AM. 4787).

Etheridge, R., 1899. *Ibid.*, 6 (3), p. 177, pl. 18, figs 4–5 (F. 45940); pl. 29, fig. 1 (AM. 4787); pl. 33, figs 1–2 (missing).

? Carboniferous: Thirty miles northwest of Tamworth, N.S.W.

Syringopora porteri Etheridge

Holotype F. 5509 (AM. 70).

Etheridge, R., 1899. *Ibid.*, p. 176, pl. 18, fig. 3 (F. 5509); pl. 31, fig. 1 (AM. 70a), fig. 2 (AM. 70b).

Devonian (Moore Creek Limestone): Moore Creek, near Tamworth, N.S.W.

Syringopora spelaenus Etheridge

Syntypes F. 2420 (AM. 41).

Etheridge, R., 1902. *Rec. Aust. Mus.*, 4 (7), p. 258, pl. 37, fig. 2 (F. 2420); pl. 38 (F. 2420).

Middle Devonian: Cave Flat, Murrumbidgee River, N.S.W.

Syringopora syrinx Etheridge

Lectotype F. 1595*; paralectotype F. 1596*; F. 6853 (part of lectotype), F. 6852 (AM. 105–6)—portion of F. 1596.

Etheridge, R., 1900. *Bull. geol. Surv. Qd.*, No. 12, p. 6, pl. 1, fig. 6 (F. 1595), figs 7–9 (AM. 105); pl. 2, fig. 11 (F. 1596).

Hill, D., 1934. *Proc. R. Soc. Qd.*, 45 (12), p. 99.

Carboniferous: Lion Creek, Stanwell, near Rockhampton, Queensland.

* Specimens in Geological Survey of Queensland.

Syringopora (Microplasma) trupanonoides Etheridge

Syntypes F. 8249 (AM. 344), AM. 905, AM. 4880.

Etheridge, R., 1920. *Rec. geol. Surv. N.S.W.*, 9 (2), p. 62.

Etheridge, R., 1921. *Ibid.*, 10 (1), p. 10, pl. 6, fig. 4 (missing), fig. 5 (AM. 334); pl. 7, fig. 1 (AM. 905), fig. 2 (AM. 4880).

Devonian: First limestone on Taemas Bridge Road from Yass, Parish Boambolo, County Murray, N.S.W.

Tetradium cribriforme (Etheridge)

See *Mitcheldeania* (?) *cribriformis* Etheridge.

Thamnophyllum curtum Hill

Holotype F. 9905 (AM. 764).

Hill, D., 1941. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 261, pl. 10, fig. 5.

Lower Middle Devonian: Boambolo or Cavan, Murrumbidgee River, N.S.W.

Thamnopora marmionensis (Etheridge)

See *Favosites marmionensis* Etheridge.

Thamnopora wilkinsoni (Etheridge)

See *Trachypora wilkinsoni* Etheridge.

Tipheophyllum bartrumi (Allen)

See *Eridophyllum bartrumi* Allan.

Trachypora wilkinsoni Etheridge

= *Thamnopora wilkinsoni* (Etheridge).

Syntypes F. 46241–3, F. 35607–8.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5 (1), p. 26, pl. 1, fig. 1 (F. 46241), fig. 2 (F. 46242), fig. 3 (F. 46243), figs 4–5 (F. 35608), fig. 6 (F. 35607), figs 7–8 (missing); pl. 6, figs 1–2 (missing).

Permian (Maitland Group): Mulbring (Mount Vincent), near West Maitland, County Northumberland, N.S.W.

Trapezophyllum elegantulum (Dun)

See *Cyathophyllum elegantulum* Dun.

Trematotrochus fenestratus Tenison-Woods

Holotype F. 1698 (F. 430).

Tenison-Woods, J. E., 1878. *J. Proc. R. Soc. N.S.W.*, 12, p. 3, pl.—, *figs* 2a–b.

Miocene: Muddy Creek, near Hamilton, Victoria.

Tryplasma sp.

Figured specimen F. 35517 (AM. 4542, AM. 4551).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 92, pl. 16, figs 1–2 (F. 35517); pl. 22, fig. 16 (AM. 4542); pl. 23, fig. 8 (AM. 4551).

Upper Silurian: Geurie, near Wellington, N.S.W.

Tryplasma columnaris Etheridge

= *Tryplasma columnare* Etheridge.

Lectotype (a) F. 35519; paralectotypes F. 45984 (AM. 4534–5), (b) F. 45991 (AM. 4539).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 85, pl. 15, fig. 6 (missing); pl. 19, fig. 5 (F. 35519); pl. 24, fig. 2 (AM. 4534), figs 3–4 (AM. 4535), fig. 5 (AM. 4539).

Hill, D., and Jones, O. A., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (2), p. 187.

Upper Silurian: (a) Molong District (either portion 4, Parish Boree, Nyrang, or Boree Creek, portion 2, Parish Cudal, County Ashburnham), (b) Quidong, near Bombala. N.S.W.

Tryplasma congregationis Etheridge

= *Pycnostylus congregationis* (Etheridge)

Lectotype (a) F. 8879; paralectotype (b) F. 8768 (AM. 650, AM. 732).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 84, pl. 13, fig. 1 (F. 8879); pl. 21, fig. 10 (AM. 650); pl. 23, fig. 10 (AM. 732).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 391, pl. 11, fig. 2a (AM. 732), fig. 2b (AM. 650).

Upper Silurian: (a) Derrengullen Creek, near Yass, (b) Barber's Creek, branch of Derrengullen Creek, near Yass, N.S.W.

Tryplasma delicatula Etheridge

= *Tryplasma delicatulum* Etheridge

Lectotype F. 8725 (AM. 742).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 82, pl. 22, fig. 9, pl. 23, figs 6–7 (AM. 742).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 407, pl. 12, figs 17a–b (AM. 742).

Upper Silurian: North bank of Yass River, Portion 126, Parish Yass, N.S.W.

Tryplasma dendroidea Etheridge

= *Pycnostylus dendroides* (Etheridge).

Lectotype (a) F. 8895; paralectotypes F. 8884, F. 8891, F. 8898 (AM. 649), F. 8994, F. 8998, (b) F. 13626, F. 13623, F. 13671, F. 45988, F. 50201, F. 46321, F. 13628–9, (c) F. 9600, (d) F. 35513–4, (e) F. 4094* (AM. 4540, AM. 4549).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 87, pl. 14, fig. (F. 8994); pl. 15, fig. 5 (F. 8895), fig. (F. 35513–4); pl. 18, fig. 2 (F. 13626), fig. 3 (F. 46321), fig. 4 (F. 8884), fig. (F. 8891), fig. 6 (F. 8998); pl. 19, fig. (F. 9600); pl. 22, fig. 11 (F. 13671), fig 12 (F. 13629), fig. 13 (F. 13628), fig. 1 (AM. 4549), fig. 15 (F. 13623); pl. 23 fig. 9 (AM. 649); pl. 24, fig. 6 (AM 4540); pl. 27, fig. 3 (F. 50201), fig. missing).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 6 (3–4), p. 39, text fig. 1 (F. 8895), tex fig. 2 (AM. 4540).

Upper Silurian: (a) Barber's Creek, a branch of Derrengullen Creek, (b) Derrengullen Creek, a branch of the Yass River, Portion 10, Parish Yass, County King, (c) Boambolo, Murrumbidgee River, (d) Boree Creek, near Cudal, N.S.W., (e) Locality unknown.

* Specimen possibly in Mining Museum, Sydney.

Tryplasma derrengullensis Etheridge

= *Tryplasma derrengullense* Etheridge

Lectotype F. 9789; paralectotype F. 9707, F. 50623; hypotypes F. 9793–4.

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 88, pl. 22, fig. 5 (F. 50623), figs 6–7 (F. 9707, fig. 8 (F. 9789).

Hill, D. 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 407, pl. 12, fig. 16 (F. 9793–4).

Silurian: Limestone Creek, near Bowning, N.S.W.

Tryplasma liliiformis Etheridge

= *Mycophyllum liliiforme* (Etheridge)

Lectotype (a) F. 8892; paralectotypes F. 8893–4, F. 8896 (AM. 645), F. 8897, (b) F. 7611, (c) F. 13624–5.

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 95, pl. 14, fig. 2 (F. 8893), fig. 3 (F. 8894); pl. 15, fig. 2 (F. 8896), fig. 3 (F. 8892), fig. 4 (F. 7611); pl. 17, fig. 7 (F. 13625), fig. 8 (F. 13624); pl. 24, fig. 1 (AM. 645); pl. 25, fig. 8 (AM. 730); pl. 27, figs 1–2 (missing).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 401, pl. 12, fig. 5 (AM. 645).

Upper Silurian: (a) Barber's Creek, branch of Derrengullen Creek, near Bowning, (b) Seven miles west of summit of Canobolas, near Orange, (c) Parish Barton, County Ashburnham, N.S.W.

Tryplasma lonsdalei Etheridge

Lectotype (a) F. 35512, paralectotypes F. 35518, AM. 3996; hypotypes (b) F. 13631, F. 8286 (AM. 676), F. 5545 (AM. 79), (a) F. 13627, (c) F. 4620* (AM. 4802), F. 13672, (d) F. 8502** (AM. 600a–b), (e) F. 8643*** (AM. 726).

Etheridge, R., 1890. *Rec. geol. Surv. N.S.W.*, 2 (1), p. 15, pl. 1, fig. 1 (F. 35518), figs 2–5 (F. 35512), fig. 6 (AM. 3996).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13, (2), p. 77, pl. 10, fig. 1 (F. 5545), fig. 2 (F. 13627), fig. 3 (missing); pl. 11, fig. 2 (F. 8985), fig. 3 (missing), fig. 4 (missing); pl. 12, fig. 1 (F. 13631); pl. 19, fig. 4 (F. 13672); pl. 25, fig. 5 (AM. 4802); pl. 26, figs 1–2 and 6 (AM. 676a), figs 3–4 (A.M. 676b), figs 5 and 7 (AM. 79).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 406, pl. 12, fig. 14 (AM. 600a), fig. 15 (AM. 726).

Upper Silurian: (a) Hatton's Corner, near Yass, (b) Derrengullen Creek, near Yass, (c) Yass River, near Yass, (d) northeast bank of Yass River, Portion 126, Parish Yass, (e) Limestone at mouth of Euralie Creek, Yass River, N.S.W.

* Specimen possibly in Mining Museum, Sydney.

** Lectotype of *Trylasma lonsdalei* var. *minor* Etheridge.

*** Lectotype of *Tryplasma lonsdalei* var. *scalariformis* Etheridge.

ryplasma lonsdalei var. *minor* Etheridge

= *Tryplasma lonsdalei* Etheridge.

Lectotype (a) F. 8502 (AM. 600a–b); paralectotypes F. 8526, F. 8634 (AM. 627), (b) F. 13622.

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 81, pl. 16, figs 3–4 (F. 8526); pl. 24, fig. 9 (AM. 600a); pl. 25, fig. 6 (AM. 600b), fig. 7 (AM. 627); pl. 26, fig. 11 (F. 13622).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 406, pl. 12, fig. 14 (AM. 600a).

Upper Silurian: (a) Banks of Yass River, Parish Yass, County King, (b) Hatton's Corner, near Yass, N.S.W.

ryplasma lonsdalei var. *scalariformis* Etheridge

= *Tryplasma lonsdalei* Etheridge

Syntypes (a) F. 8643 (AM. 726), (b) F. 35531, F. 3426* (AM. 4567), (c) F. 35516, (d) F. 3425* (AM. 4553), (e) F. 28180 (AM. 4541, AM. 4532), (f) F. 9595 (AM. 736).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 80, pl. 12, fig. 2 (F. 35531), fig. 3 (F. 8643); pl. 14, fig. 4 (F. 35516); pl. 24, fig. 7 (AM. 4567), fig. 8 (AM. 726); pl. 25, fig. 1 (AM. 4553), figs 2–3 (AM. 4532), fig. 4 (AM. 4541), pl. 26, fig. 8 (AM. 736a), figs 9–10 (AM. 736b).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 406, pl. 12, fig. 15 (AM. 726).

Upper Silurian: (a) Mouth of Euralie Creek, Yass River, (b) Molong district, Parish Narragal, County Gordon, (c) Yass, (d) Portion 60, Parish Boree Nyrang, County Ashburnham, (e) Silverdale, near Bowning, (f) anticline at Boambolo Crossing, Murrumbidgee River, N.S.W.

* Specimens possibly in Mining Museum, Sydney.

Tryplasma princeps Etheridge

= *Pseudamplexus princeps* (Etheridge)

Lectotype (a) F. 35502; paralectotypes F. 35486–90, F. 35492–99, F. 35503, F. 35538, F. 45917, F. 35726, F. 45918, F. 3428*, (AM. 4327, AM. 4528), F. 3431* (AM. 4566), F. 35515 (AM. 4558), F. 45922 (AM. 4752), F. 3618* (AM. 4548), (b) F. 35500–1, (c) F. 45923. (AM. 4525).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 97, pl. 15, fig. 1 (F. 35495); pl. 17, fig. 1 (F. 35496–9), fig. 2 (F. 35493), fig. 3 (F. 35538), fig. 4 (F. 35503), fig. 5 (F. 35490), fig. 6 (F. 35486); pl. 18, fig. 1, and pl. 19, figs 1–3 (F. 35502), pl. 18, fig. 7 (F. 35494); pl. 20, fig. 1 (F. 35489), fig. 2 (F. 45917), fig. 3 F. 35488), fig. 4 (F. 35726), fig. 5 (F. 45918), fig. 6 (F. 35492); pl. 21, figs 1–2 (F. 35487), figs 3–4 (AM. 4525), figs 5–6 (AM. 4327), fig. 7 (AM. 4566), figs 8–9 (AM. 4528); pl. 22, fig. 1 (F. 35500–1), fig. 10 (AM. 4548); pl. 23, fig. 1 (AM. 4752), figs 2–3 (AM. 4558).

Hill, D., and Jones, O. A., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (2), p. 185.

Upper Silurian: (a) Boree Creek, Parish Cudal, or Parish Boree Nyrang, County Ashburnham, (b) Parish Eurimbula, County Gordon, (c) Parish Culrindi, County Darling, N.S.W.

* Specimens possibly in Mining Museum, Sydney.

Tryplasma vermiformis Etheridge

Holotype F. 35521 (AM. 4529, AM. 4550).

Etheridge, R., 1907. *Mem, geol. Surv. N.S.W.*, Pal. 13 (2), p. 83, pl. 11, fig. 1 (F. 35521); pl. 23, fig. 4 (AM. 4529), fig. 5 (AM. 4550).

Upper Silurian: Portion 9, Parish Boree Nyrang, County Ashburnham, N.S.W.

Tryplasma wellingtonensis Etheridge

Syntypes (a) F. 35505–8, F. 35510–11, F. 35520, F. 735*, AM. 4547, AM. 4852, (b) F. 45981; hypotypes (a) F. 13670, (c) F. 13667, (d) F. 5687 (AM. 6385).

Etheridge, R., 1895. *Rec. geol. Surv. N.S.W.*, 4 (4), p. 160, pl. 21, fig. 1 (F. 35508), fig. 2 (F. 35505), fig. 3 (F. 35510), fig. 4 (missing), fig. 5 (F. 45981), fig. 6 (F. 35520), fig. 7 (F. 35511), fig. 8 (F. 35506), fig. 9 (F. 35507); pl. 22, figs 1, 3–4 (AM. 4852), figs 2 and 5 (AM. 4547).

Etheridge, R., 1907. *Mem. geol. Surv. N.S.W.*, Pal. 13 (2), p. 89, pl. 16, fig. 5 (F. 35508), fig. 6 (missing), fig. 7 (F. 35510), fig. 8 (F. 13670), figs 9–10 (F. 13667); pl. 21, figs. 11–12 (AM. 4547); pl. 22, fig. 2 (F. 35520), figs 3–4 (F. 35506).

Hill, D., 1942. *J. Proc. R. Soc. N.S.W.*, 76 (3), p. 187, pl. 5, fig. 10 (AM. 6385).

?Lower Devonian: (a) Wellington Caves, County Wellington, (b) Jenolan Caves, (c) Cave Flat, Murrumbidgee River, (d) Wellington, N.S.W.

* Specimen possibly in Mining Museum, Sydney.

Vepresiphyllum falciforme Etheridge

Holotype (a) F. 51713, original number F. 11747 (AM. 4466, AM. 4473), hypotype (b) F. 39315 (AM. 3463).

Etheridge, R., 1920. *Rec. geol. Surv. N.S.W.*, 9 (2), p. 61, pl. 15, fig. 3 (AM. 4466), fig. 4 (AM. 4473).

Hill, D., 1940. *J. Proc. R. Soc. N.S.W.*, 74 (3), p. 264, pl. 10, fig. 7 (AM. 3463).

Middle Devonian: Goodradigbee River, Portion 6, Parish Coodradigbee, County Buccleugh, (b) possibly from Goodradigbee district, N.S.W.

Vetofistula mirabilis Etheridge

Holotype thin-sections AM. 899.

Etheridge, R., 1917. *Pub. geol. Surv. Qd*, No. 260, p. 17, pl. 4, figs 1–4.

Ross, June Phillips, 1961. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 50, p. 105, pl. 27, figs 1, 3–4, 6.

Middle Devonian: Reid's Gap, near Townsville, Queensland.

Xylodes yassense (Etheridge)

See *Heliophyllum yassense* Etheridge.

Xystriphyllum dunstani Etheridge

See *Cyathophyllum dunstani* Etheridge.

Xystriphyllum mitchelli (Etheridge)

See *Cyathophyllum mitchelli* Etheridge.

Yassia enormis (Etheridge)

See *Spongophyllum enorme* Etheridge.

Zaphrentis sp. indet.

Mentioned specimen F. 46457.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 199.

Permian (? *Wandrawandian Siltstone*): Shoalhaven River, N.S.W.

Zaphrentis (*Plerophyllum*?) *arundinaceus* (Lonsdale)

Hypotypes F. 35565–6, F. 35559.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5 (1), p. 9, pl. 8, figs 1–2 (F. 35566); pl. 9, figs 11–12 (F. 35565), fig. 13 (F. 35559).

Permian (*Shoalhaven Group*): Jervis Bay, Shoalhaven district, County St Vincent, N.S.W.

Zaphrentis (*Plerophyllum*) *cainodon* de Koninck

Hypotypes F. 35555–6, F. 46230, F. 35567.

Etheridge, R., 1891. *Ibid.*, p. 10, pl. 8, figs 13 (F. 35555), fig. 14 (F. 35556), fig. 15 (F. 46230), fig. 16 (F. 35567).

Permian (Shoalhaven Group): Jervis Bay, County St Vincent, N.S.W.

Zaphrentis (*Plerophyllum*) *culleni* Etheridge

Syntypes F. 46219–23, F. 35563–4.

Etheridge, R., 1891. *Ibid.*, p. 13, pl. 9, fig. 1 (F. 46220), fig. 2 (F. 46219), fig. 3 (F. 46221), fig. 4 (F. 35563), fig. 5 (F. 46223), fig. 6 (F. 46222), fig. 7 (F. 35564).

Lower Carboniferous: Binge Berry, Rouchell Brook, County Durham, N.S.W.

Zaphrentis (*Plerophyllum* ?) *gregoriana* de Koninck

Hypotypes (a) F. 35557 or F. 35571, F. 35573, F. 35560, F. 35568–9, F. 1898* (b) F. 46228–9, (c) F. 35558.

Etheridge, R., 1891. *Ibid.*, p. 11, pl. 8, figs 3–4 (F. 35569), figs 5–6 (F. 35560), fig. 8 (F. 35573), figs 9–10 (missing), fig. 11 (F. 35568), fig. 12 (F. 46229); pl. 9, fig. 8 (F. 46228), fig. 9 (F. 35558).

Permian (Shoalhaven Group): (a) Jervis Bay, County St Vincent, (b) Shoalhaven Heads, (c) Copper Point, South Coast, N.S.W.

* Specimen mislaid, possibly in Mining Museum, Sydney.

Zaphrentis phymatodes Etheridge

Syntypes F. 35553–4.

Etheridge, R., 1891. *Ibid.*, p. 15, pl. 9, figs 14–15, 17 (F. 35554), fig. 16 (F. 35553).

Permian (?Mulbring Subgroup): One mile southeast of Mulbring, near West Maitland, County Northumberland, N.S.W.

Zaphrentis (*Plerophyllum ?*) *robusta* de Koninck.

Hypotypes F. 35561–2.

Etheridge, R., 1891. *Ibid.*, p. 14, pl. 10, figs 1–2 (F. 35561), fig. 3 (F. 35562).

Permian (Branxton Subgroup): Branxton, County Northumberland, N.S.W.

Zaphrentis ? sumphuens Etheridge

= *Caninophyllum sumphuens* (Etheridge)

Holotype F. 46215, F. 50331 (AM. 4002)—parts of single specimen; mentioned F. 18122.

Etheridge, R., 1891. *Ibid.*, p. 16, pl. 11, fig. 4 (F. 46215, F. 50331), fig. 5 (AM. 4002), fig. 6 (missing).

Campbell, K. S. W., 1957. *J. Paleont.*, 31 (1), p. 92, pl. 17, fig. 1 (AM. 4002); mentioned p. 66 (F. 18122).

Lower Carboniferous: Somerton, near Tamworth, N.S.W. (possibly Watts, Babbinboon, near Somerton, N.S.W.).

Zenophila walli (Etheridge)

Hypotypes (a) F. 39301, original number F. 6694 (AM. 3323–4), (b) F. 39302, original number F. 463 (AM. 3336–7).

Hill, D., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (3–4), p. 414, pl. 13, fig. 15a (AM. 3324), fig. 15b (AM. 3323), fig. 16a (AM. 3337), fig. 16b (AM. 3336).

Upper Silurian: (a) Derrengullen Creek, Bowning district, (b) Yass, N.S.W.

See also *Phillipsastraea walli* Etheridge.

Zelolasma gemmiforme (Etheridge)

See *Diphyphyllum gemmiforme* Etheridge.

Bryozoa

Aetomacladia ambrosoides Bretnall

= *Ramipora ambrosoides* (Bretnall).

Portion of paratype F. 36574.*

Bretnall, R. W., 1926. *Bull. geol. Surv. West. Aust.*, 86, p. 21, pl. 1, fig. 4.

Crockford, J. M., 1944, *J. Proc. R. Soc. West. Aust.*, 28 (for 1941–42), p. 193.

Permian (Callytharra Formation): Fossil Hill, Wyndham River, Western Australia.

* Paratype in Western Australian Geological Survey.

Batostomella cylindrica Crockford

Holotype F. 24005; paratype F. 24001 (AM. 3593).

Crockford, J. M., 1941, *J. Proc. R. Soc. N.S.W.* 74 (4), p. 504, text fig. 1c (AM. 3593).

Permian (Conjola Formation): North Head, Ulladulla, N.S.W.

Batostomella lineata Crockford

Holotype F. 42112D.

Crockford, J. M., 1947. *Proc. Linn. Soc. N.S.W.*, 72 (1–2), p. 34, text fig. 29.

Lower Carboniferous (Burindi Group): near Barrington House, Williams River, Barrington Tops, N.S.W.

Calopora hattonensis Ross

Holotype F. 8852 (AM. 6372–4).

Ross, June Phillips, 1961. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 50, p. 56, pl. 15, figs 1–2 (AM. 6372), fig. 4 (AM. 6373).

Middle Silurian (Black Bog Beds). Hatton's Corner, N.S.W.

Coscinium (?) *australe* Bretnall

= *Hexagonella australe* (Bretnall).

Portion of holotype F. 36572.

Bretnall, R. W., 1926. *Bull. geol. Surv. West. Aust.*, 88, p. 25.

Crockford, J. M., 1944. *Proc. Linn. Soc. N.S.W.*, 69 (3–4), p. 149.

Permian (Callytharra Formation): Fossil Hill, Wyndham River, Western Australia.

* Holotype 2/2405G, originally specimen 6, in Western Australian Geological Survey.

Dichotrypa fragilis Crockford

Holotype F. 42112A; paratype F. 42112B.

Crockford, J. M., *Ibid.*, 72 (1–2), p. 44, pl. 4, fig. 2 and text figs 27–28 (F. 42212A).

Lower Carboniferous (Burindi Group): near Barrington House, Williams River, Barrington Tops, N.S.W.

Fenestella cavea Laseron

= *Fenestrellina exserta* (Laseron)

Syntypes F. 20195–6.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, 52, p. 197, pl. 15, figs 1–2 (F. 20195); pl. 16, figs 1–2 (F. 20196).

Crockford, J. M., 1941, *Ibid.*, 74, p. 403.

Permian (Fenestella Shale): Railway cutting, Branxton, N.S.W.

Fenestella exserta Laseron

= *Fenestrellina exserta* (Laseron).

Lectotype F. 20199; paralectotype F. 20200.

Laseron, C. F., 1918. *Ibid.*, 52, p. 195, pl. 7, fig. 1 and pl. 12, fig. 1 (F. 20199); pl. 7, fig. 2 and pl. 12, fig. 2 (F. 20200).

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 403.

Permian (Fenestella Shale): Railway cutting, Branxton, N.S.W.

See also *Fenestella cavea* Laseron.

Fenestella fossula Lonsdale

Hypotype F. 20198.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, p. 193, pls 13–14.

Permian (Fenestella Shale): Railway cutting, Branxton, N.S.W.

Fenestella horologia Bretnall

Hypotype F. 17538.

Wass, R., 1966. *Proc. Linn. Soc. N.S.W.*, 91 (1), p. 91, pl. 2, fig. 6.

Permian (Noonkanbah Formation): Mt Marmion, Western Australia.

Fenestella internata (?) Lonsdale.

Hypotype F. 20197.

Laseron, C. F., 1918. *Ibid.*, p. 193, pls. 13–14. *N.S.W.*, 52, p. 194, pl. 10, fig. 2 and pl. 11, figs 1–2.

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 414.

Permian (Allandale Formation): Allandale, N.S.W.

Fenestrellina barringtonensis Crockford

Holotype F. 42112G.

Crockford, J. M., 1947. *Proc. Linn, Soc. N.S.W.*, 72 (1–2), p. 37, text figs 42–43.

Lower Carboniferous (Burindi Group): Near Barrington House, Williams River, Barrington Tops, N.S.W.

Fenestrellina cellulosa Crockford

Holotype F. 42113H.

Crockford, J. M., 1947. *Ibid.*, p. 38, text fig. 44.

Lower Carboniferous (Burindi Group): Near Barrington House, Williams River, Barrington Tops, N.S.W.

Fenestrellina granulifera Crockford

See *Phyllopora* or *Protoretepora* sp. indet.

Fenestrellina propinqua (de Koninck)

Mentioned specimen F. 42112F.

Crockford, J. M., 1947. *Ibid.*, p. 35.

Lower Carboniferous (Burindi Group): Near Barrington House, Williams River, Barrington Tops, N.S.W.

Fistulipora conica Crockford

Paratype F. 37592 (AM. 3587–88)*.

Crockford, J. M., 1944. *Ibid.*, 69 (3–4), p. 147.

Permian (Wandagee Formation): West limb of syncline, ¼ mile west of shale outcrop on north bank of Minilya River, W.A.

* Holotype No. 22130 in University of Western Australia.

Fistulipora etheridgei Crockford

Holotype F. 43009, original number F. 6856C, (AM. 131a-d).

Crockford, J. M., 1947. *Ibid.*, 72 (1–2), text figs 1–2 (AM. 131 a–d).

Lower Carboniferous (Lion Creek Limestone): Lion Creek, Stanwell, near Rockhampton, Queensland.

Helicopora (?) *australis* Etheridge

Holotype F. 295.

Etheridge, R., 1921. *Rec. geol. Surv. N.S.W.*, 10 (1), p. 3, pl. 3.

Wass, R., 1967 *Aust. J. Sci.*, 29 (12), p. 472.

Permian (?Nowra Sandstone): Shoalhaven Heads, near Nowra, N.S.W.

Hemitrypa sp. A.

Figured specimens F. 30191, F. 30175; mentioned F. 30170, F. 30111, F. 30173.

Ross, June Phillips, 1961. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 50, p. 73, pl. 19, fig. 3 (F. 30191), fig. 4 and pl. 21, fig. 10 (F. 30175).

?Middle Devonian: Western face of railway cutting, Lake Bathurst Railway Station, N.S.W.

Heterotrypa humensis Ross

Holotype F. 46926 (AM. 6380).

Ross, June Phillips, 1961. *Ibid.*, p. 39, pl. 4 fig. 3 (AM. 6380).

Middle Silurian: Black Bog Creek, Hatton's Corner, N.S.W.

Hexagonella australe (Bretnall)

See *Coscinium* (?) *australe* Bretnall

Hexagonella lineata Crockford

Holotype F. 17567 (AM. 3583–4); paratype F. 17569); (AM. 3585–6, AM. 3589).

Crockford, J. M., 1944. *Proc. Linn. Soc. N.S.W.*, 69 (3–4), p. 154, pl. 4, fig. 4 (F. 17569); text fig. 23 (AM. 3583), text fig. 24 (AM. 3584).

Permian (Noonkanbah Formation): Mt Marmion, W.A.

Homotrypa sp. B

Figured specimen F. 2455 (AM. 286).

Ross, June Phillips, 1961. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 50, p. 27, pl. 2, figs 3–4 (AM. 286).

?Middle Devonian (Murrumbidgee "Series"); Cave Flat, 3½ miles above Burrinjuck Dam, Murrumbidgee River, N.S.W.

Leioclema porosa Crockford

Holotype F. 43009, original number F. 6856E, (AM. 131a–d).

Crockford, J. M., 1947. *Proc. Linn. Soc. N.S.W.*, 72 (1–2), p. 13, text figs 7–8 (AM. 131a–d).

Lower Carboniferous (Lion Creek Limestone): Lion Creek, Stanwell, near Rockhampton, Queensland.

Membranipora ? *wilsonensis* Etheridge

Holotype F. 51011, original number F. 3286.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11, p. 13, pl. 8, figs 11–12.

Lower Cretaceous: Mount Wilson Well, Dunlop Station, 30 miles west-north-west of Louth, Darling River, N.S.W.

Minilya duplaris Crockford

Mentioned specimen F. 50933, original number 55.*

Crockford, J. M., 1945. *Proc. Linn. Soc. N.S.W.*, 70 (3–4), p. 132.

Permian: Lakes Creek quarry, near Rockhampton, Queensland.

* Holotype No. 2793d in University of Western Australia.

Pennniretepora lobata Crockford

Holotype F. 30153.

Crockford, J. M., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (3), p. 110, pl. 5, fig. 3.

Upper Silurian (?Barrandella Shale): Derrengullen Creek, Portion 10, Parish Yass, N.S.W.

Phyllopora or *Protoretepora* sp. indet

= *Fenestrellina granulifera* Crockford.

Figured specimen F. 20193.

Laseron, C. F., 1918. *Ibid.*, 52, p. 198, pl. 3, fig. 1.

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 509.

Permian (Fenestella Shale): Branxton, N.S.W.

Polypora montuosa (Laseron).

See *Protoretepora montuosa* Laseron.

Polypora multiporifera Crockford

Holotype F. 38441.

Crockford, J. M., 1944. *J. R. Soc. West. Aust.*, 28 (for 1941–2), p. 177, pl. 3, fig. 4.

Permian (Wandagee Formation): Syncline on Minilya River, half mile west of Coolkilya Pool, W.A.

Polypora pertinax Laseron

Lectotype F. 20188; paralectotype F. 20189.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, 52, p. 190, pl. 5, fig. 1, pl. 10, fig. 1 (F. 20189); pl. 5, fig. 2, pl. 6, fig. 1, pl. 8, fig. 1 (F. 20188); pl. 6, fig. 2 (?).

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 412.

Permian (Allandale Formation): Allandale, N.S.W.

Polypora tumula Laseron

= *Polypora woodsi* (Etheridge).

Syntype F. 20187.

Laseron, C. F., 1918. *Ibid.*, 52, p. 191, pl. 7, fig. 3, pl. 9, fig. 1 (F. 20187), fig. 2 (?).

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 410.

Prendergast, K. L., 1944. *J. R. Soc. West. Aust.*, 28 (for 1941–2), p. 177.

Permian (Fenestella Shale): Railway cutting west of Branxton Railway Station, N.S.W.

Polypora virga Laseron

Holotype missing*.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, 52, p. 192, pl. 7, fig. 4, pl. 8, fig. 2 (holotype).

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 410, pl. 19, fig. 3 (neotype).

Permian (Fenestella Shale): Railway cutting west of Branxton Railway Station, N.S.W.

* Neotype No. 1407 in University of Sydney.

Polypora woodsi (Etheridge)

See *Polypora tumula* Laseron.

Protoretepora ampla (Lonsdale)*

Hypotype F. 20190.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, 52, p. 189, pl. 4 (F. 20190).

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 406.

Permian (? Berry Formation): Bundanoon, N.S.W.

* Crockford, 1941 (p. 409), recorded that specimen F. 20190 differs from the typical species of *P. ampla*.

Protoretepora ampla (Lonsdale)

Hypotype F. 39640.

Crockford, J. M., 1943. *Ibid.*, 76 (4), p. 266.

Crockford, J. M., 1944. *Proc. Linn. Soc. N.S.W.*, 69 (3–4), p. 160.

Crockford, J. M., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 34, p. 68.

Permian (Capertee Formation): West side of Mudgee Railway cutting, 1¼ miles north of Rylstone, N.S.W.

Protoretepora montuosa Laseron

= *Polypora montuosa* (Laseron)

Lectotype F. 20191.

Laseron, C. F., 1918. *J. Proc. R. Soc. N.S.W.*, 52, p. 187, pls. 1, 2, and 3, fig. 2.

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 409.

Permian (Fenestella Shale): Railway cutting 1 mile west of Branxton, N.S.W.

Pseudohornera (?) *retiformis* Crockford

Holotype F. 28532.

Crockford, J. M., 1941. *Ibid.*, 75 (3), p. 106, pl. 5, figs 4–5, text fig. 1D.

Upper Silurian (? Lower Trilobite Horizon): Near Bowning, N.S.W.

Ptilopora carinata Crockford

Holotype F. 300.

Crockford, J. M., 1941. *Ibid.*, 74 (4), p. 515, pl. 21, fig. 2, text fig. 2.

Permian (? Nowra Sandstone): Shoalhaven Heads, near Nowra, N.S.W.

Ramipora ambrosoides (Bretnall)

See *Aetomacladia ambrosoides* Bretnall.

Rhombopora multigranulata Bretnall

= *Saffordotaxis multigranulata* (Bretnall).

? Portion of paratype F. 36575*.

Bretnall, R. W., 1926. *Bull. geol. Surv. West. Aust.*, 88, p. 25.

Crockford, J. M., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 34, p. 76.

Permian (Noonkanbah Formation): Balmaningarra, Mt Marmion, W.A.

* Marked by author as portion of a paratype in Geological Survey of Western Australia.

Saffordotaxis multigranulata (Bretnall)

See *Rhombopora multigranulata* Bretnall.

Stenodiscus moniliformis Crockford

Holotype F. 37475 (thin sections missing).

Crockford, J. M., 1945. *Proc. Linn. Soc. N.S.W.*, 70 (1–2), p. 22, pl. 3, fig. 1 (F. 37475), figs 2–3, text figs 20–21 (AM. 3889–91).

Permian (Berriedale Limestone): Collinsvale Quarry, near Hobart, Tasmania.

Stenodiscus stanwellensis Crockford

Holotype F. 43008 (AM. 131B, AM. 131D), original number F. 6857A.

Crockford, J. M., 1947. *Ibid.*, 72 (1–2), p. 13, text figs 9–10.

Lower Carboniferous (Lion Creek Limestone): Lion Creek, Stanwell, near Rockhampton, Queensland.

Stenopora sp.A.

Figured specimen F. 16413 (AM. 886).

Etheridge, R., 1913. *Bull. geol. Surv. West. Aust.*, 58, p. 20, pl. 8, figs 3–4.

Permian (Noonkanbah Formation): Mt Marmion, W.A.

Stenopora crinita Lonsdale

Hypotypes (a) F. 35541–2, F. 35545–6, F. 35551–2, F. 35584, AM. 4001, AM. 4011, (b) F. 35540, F. 35543, AM. 3777, AM. 3782; mentioned specimens (c) F. 19872–3, (d) F. 37070, (e) F. 12267, (f) F. 381.

Etheridge, R., 1891. *Mem. geol. Surv. N.S.W.*, Pal. 5 (1), p. 49, pl. 2, fig. 1 (F. 35545), fig. 2 (F. 35541); pl. 3, fig. 1 (F. 35546), fig. 2 (F. 35552), fig. 3 (F. 35584), figs 4–5 (F. 35551), fig. 6 (?); pl. 4, fig. 2 (F. 35540); pl. 5, fig. 1 (F. 35541), figs 2–3 (F. 35543), fig. 4 (F. 35542); pl. 6, fig. 3 (AM. 3777), figs 4–5 (AM. 4001), fig. 6 (AM. 4011); pl. 7, fig. 1 (AM. 3782), fig. 2 (?).

Crockford, J. M., 1945. *Proc. Linn. Soc. N.S.W.*, 70 (3–4), p. 11 (mentioned specimens as above).

Permian (Gerringong Volcanics): (a) Wollongong, (c) Weir Farm, 2 miles south of Kiama; (Shoalhaven Group): (d) Broughton Village, near Berry, (e) Bundanoon; (Mulbring Subgroup): (b) Singleton, (f) Bylong, N.S.W.

Stenopora (frondescent) Etheridge

See *Stenopora johnstoni* Etheridge.

Stenopora johnstoni Etheridge

Holotype slide AM. 3616*.

Etheridge, R., 1891. *Mem. geol. Su N.S.W.*, Pal. 5 (1), p. 59, pl. 7, fig. "frondescent *Stenopora*".

Crockford, J. M., 1945. *Proc. Linn. S N.S.W.*, 70 (3–4), p. 20.

* Neotype (No. 5433, University of Sydne was selected by Crockford, J. M., 194 as the holotype specimen and slide we missing. The holotype slide (thin-sectio was later found.

Stenopora ovata Lonsdale

Hypotypes (a) AM. 3804, AM. 3878, ?AM 3879, (b) AM. 4820.

Etheridge, R., 1891. *Mem. geol. Sur N.S.W.*, Pal. 5 (1), p. 55, pl. 5, figs 5– (mislaid); pl. 6, figs 7–8 (AM. 3804 pl. 7, fig. 3 (AM. 3878), fig. 4 (?), fig. (AM. 4820), fig. 6 (?).

Permian (Mulbring Subgroup): (a) Singl ton, N.S.W. (Formation?): (b) Tasmani

Stenopora tasmaniensis Lonsdale

Hypotypes (a) F. 35549, (b) F. 35547.

Etheridge, R., 1891. *Ibid.*, p. 60, pl. 4 figs 3–4 (F. 35549); pl. 5, figs 7–8 (F 35547); pl. 7, fig. 9 (?).

Permian (Allandale Formation): (a) Han per's Hill, N.S.W.; (Gerringong Volcanics) (b) Gerringong, N.S.W.

Streblascopora marmionensis (Etheridge)

See *Streblotrypa marmionensis* Etheridge.

Streblotrypa etheridgei Bretnall

Holotype F. 17550.

Bretnall, R. W., 1926. *Bull. geol. Surv West. Aust.*, 88, p. 23 (not pl. 1, fig. 7)

Crockford, J. M., 1944. *Proc. Linn. Soc N.S.W.*, 69 (3–4), p. 169, pl. 5, fig. 12, text fig. 38 (F. 17550*).

Permian (Noonkanbah Formation): Mt Marmion, W.A.

*Of other Australian Museum specimens listed by Bretnall as belonging to this species Crockford recorded that "specimen 5 on F. 17555 does not belong to this species, and there is now no specimen labelled 5 on F. 17554, nor is there any specimens of *S. etheridgei* on this specimen".

Streblotrypa marmionensis Etheridge

= *Streblascopora marmionensis* (Etheridge)

Neotype F. 17551*, paratypes "1" on F. 17539, F. 17540 (larger specimen only), F. 17547–51, F. 17559.

Etheridge, R., 1926. In Bretnall, R. W., 1926. *Bull. geol. Surv. West. Aust.*, 88, p. 22, pl. 1, fig. 1, pl. 2, fig. 3 (specimen 1 on F. 17539).

Crockford, J., 1944. *Proc. Linn. Soc. N.S.W.*, 69 (3–4), p. 168, pl. 5, fig. 10 (F. 17551), fig. 11 (F. 17458).

Crockford, J. M., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.* 34, p. 80.

Permian (Noonkanbah Formation): Mt Marmion, W.A.

* The holotype F. 17458 was destroyed by fire; neotype F. 17551 was selected by Crockford, J. M., 1957.

reblotrypa parallela Crockford

Paratype F. 42112.

Crockford, J. M., 1947. *Proc. Linn. Soc. N.S.W.*, 72 (1–2), p. 42.

Lower Carboniferous (Burindi Group): Near Barrington House, Williams River, Barrington Tops, N.S.W.

etofistula mirabilis Etheridge

A tabulate coral and listed under "Corals".

Brachiopoda

ctinoconchus planosulcatus (Phillips)

See *Athyris* (*Actinoconchus*) *planosulcatus* (Phillips).

noplotheca (?) *australis* Dun.

Holotype F. 46749.

Dun, W.S., 1907. *Rec. Geol Surv. N.S.W.*, 8 (3), p. 267, pl. 40, figs 4, 4a.

Silurian: Oaky Creek, County Ashburnham, N.S.W.

thyris sp. indet.

Figured specimen F. 35688.

Dun, W. S., 1898. *Ibid.*, 5 (4), p. 167, pl. 17, fig. 6.

Devonian. White Cliffs Opal-field, near Wilcannia, N.S.W.

thyris (*Actinoconchus*) *planosulcatus* Phillips

Hypotypes (a) F. 35592, (b) F. 35689.

Etheridge, R., 1898. *Ibid.*, 5 (4), p. 177, pl. 19, fig. 18 (F. 35592).

Dun, W. S., 1902. *Ibid.*, 7 (2), p. 87, pl. 21, fig. 17 (F. 35689); pl. 23, figs 12, 15 (mislaid*).

Lower Carboniferous: (a) Dungog Road, 19 miles from West Maitland, (b) About 2¼ miles from Clarencetown on Glen William Road, N.S.W.

* Possibly in collection of Mining Museum, Sydney.

trypa duntroonensis Mitchell and Dun

Syntypes F. 29201–03.

Mitchell, J., and Dun, W. S., 1920. *Proc. Linn. Soc. N.S.W.*, 45 (2), p. 270, pl. 16, fig. 8 (F. 29201), fig. 9 (F. 29202), fig. 10 (F. 29203), fig. 11 (mislaid), fig. 12 (F. 29202).

Upper Silurian: Near Duntroon Homestead, Parish of Canberra, County Murray, A.C.T.

Atrypa erectirostris Mitchell and Dun

Syntypes F. 29413–15, F. 29177.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 267, pl. 15, fig. 10 (F. 29415), fig. 11 (F. 29177); pl. 16, fig. 17 (F. 29414), fig. 18 (F. 29413).

Middle Devonian: Cave Flat, near junction of the Goodradigbee with the Murrumbidgee River, N.S.W.

Atrypa marginalis (Dalman)

Hypotypes F. 29171–74, F. 51716.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 268, pl. 15, fig. 14 (mislaid), fig. 15 (? F. 29173), fig. 16 (F. 29172); pl. 16, fig. 1 (F. 51716), fig. 2 (F. 29173), fig. 3 (F. 29171), fig. 4 (mislaid), fig. 5 (F. 29174).

Upper Silurian: Limestone Creek, near Bowning, N.S.W.

Atrypa pulchra Mitchell and Dun.

Syntypes F. 29353, F. 29352.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 270, pl. 14, fig. 19 (F. 29353); pl. 16, fig. 14 (F. 29353), fig. 15 (F. 29352), fig. 16 (F. 29353).

Upper Silurian: Limestone Creek, near Bowning, N.S.W.

Atrypa reticularis (Linnaeus)

Hypotypes (a) F. 29198–99, (b) F. 29278, F. 29281.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 266, pl. 15, figs 1–5*, fig. 6 (F. 29199), fig. 7 (F. 29198); pl. 16, fig. 6 (mislaid), fig. 19 (F. 29278), fig. 20 (F. 29281).

Upper Silurian: (a) Derrengullen Creek, near junction with Limestone Creek, near Bowning; (b) Silverdale, near Yass, N.S.W.

* Specimens in collection of Mining Museum, Sydney.

Atrypoidea angusta Mitchell and Dun

Syntypes (a) F. 29185, F. 29193*, F. 29195–96, (b) F. 29187, (c) F. 29197.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 273, pl. 14, figs 20–21 (F. 29197), fig. 22 (mislaid), fig. 23 (F. 29193), fig. 24 (F. 29195), figs 25–26 F. 29196), figs 27–28 (F. 29193), fig 13 (mislaid), fig. 14 (F. (F. 29193), figs 9–11 (F. 29191), fig. 12

Upper Silurian: (a) Near Molong, Parish Bomey, County Wellington; (b) Hatton's

Corner, near Yass; (c) Gurnett's Selection, 3 miles west of Bowning, N.S.W.

* This specimen is also figured as *Atrypoidea australis* M. & D., pl. 14, figs 8 and 12.

Atrypoidea australis Mitchell and Dun

Syntypes (a) F. 29183–84, F. 29192–93*, (b) F. 29191, (c) F. 29188.

Mitchell, J., and Dun, W. S., 1920. *Ibid.*, p. 272, pl. 14, figs 1–2 (F. 29183), figs 3–4 (F. 29184), figs 5–7 (F. 29192), fig. 8 (F. 29193). figs 9–11 (F. 29191), fig. 12 (F. 29193), fig 13 (mislaid), fig. 14 (F. 29188), figs 15–17 (mislaid), fig. 18 (F. 29186); pl. 15, figs 8–9, pl. 16, figs 7 and 13 (mislaid).

Upper Silurian: (a) Near Molong, Parish Bomey, County Wellington; (b) Gurnett's Selection, 3 miles west of Bowning; (c) Hatton's Corner, near Yass, N.S.W.

* Specimen F. 29193 is also figured as *A. angusta* M. & D., pl. 14, fig. 23.

See also *Meristina* (?) *australis* Dun.

Attenuatella multispinosa Waterhouse

Holotype F. 42104; paratypes F. 51522–26, F. 42100–03, F. 42105.

Waterhouse, J. B., 1967. *Rec. Aust. Mus.*, 27 (7), p. 167, pl. 24, fig. 1 (F. 42102), fig. 2 (F. 42100), fig. 3 (F. 42105), fig. 4 (F. 51523), fig. 5 (F. 42104), fig. 6 (F. 42104), fig. 7 (F. 51524).

Middle Permian (Gilgurry Mudstone, Boorook Group); between Sandy Hill and Drake, N.S.W.

Aulosteges baracoodensis Etheridge

Lectotype F. 36218 (original number F. 1569).

Etheridge, R., 1903. *Bull. geol. Surv. West. Aust.*, 10, p. 22, pl. 2, figs 1–2a.

Hosking, L., 1933. *J. R. Soc. West. Aust.*, 19, p. 33, pl. 1, figs 1a–c.

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 36, pl. 1, figs 4–6.

Permian (? Callytharra Formation): Wooramel River, southern part of Carnarvon Basin, Western Australia.

Aulosteges fairbridgei Coleman

Paratypes F. 44722, F. 44778, F. 44781, F. 44827.

Coleman, P. J., 1957. *Ibid.*, p. 40, pl. 2, figs 11–12 (F. 44781).

Permian (Port Keats Group): Port Keats Mission, 154 air miles southwest of Darwin, N.T.

Aulosteges ingens Hosking

Hypotypes F. 44805, F. 44817.

Coleman, P. J., 1957. *Ibid.*, p. 43, pl. 3, figs 5 and 10 (F. 44817), fig. 7 (F. 44805).

Permian (Port Keats Group): Port Keats Mission, 154 air miles southwest of Darwin, N.T.

Aulosteges spinosus Hosking

Hypotypes F. 37710, F. 38444.

Prendergast, K. L., 1943. *J. R. Soc. W[illegible] Aust.*, 28, p. 36, pl. 4, figs 7–8 (F. 3771[illegible]) figs 9–10 (F. 38444).

Coleman, P. J., 1957. *Bull. Bur. Min. Resc[illegible] Geol. Geophys. Aust.*, 40, p. 49, pl. [illegible] figs 4–6 (F. 37710).

Permian (Wandagee Formation): Wanda[illegible] Station, Minilya River, Carnarvon Bas[illegible] Western Australia.

Barrandella molongensis Mitchell

= *Pentamerella molongensis* (Mitchell).

Syntypes F. 28661, F. 51719–20; hypotyp[illegible] F. 42319–20, F. 42641.

Mitchell, J., 1920. *Proc. Linn. Soc. N.S.W.* 45 (4), p. 548, pl. 31, fig. 9 (F. 28661) fig. 10 (F. 51719), fig. 11 (F. 51720).

Booker, F. W., 1926. *J. Proc. R. Soc. N.S.W.*, 60, p. 140, pl. 6, fig. 5a (F. 42320) fig. 5b (F. 42319), fig. 5c (?); slide [illegible] sectioned specimen (F. 42638).

? Upper Silurian: Eight miles west of Molon[illegible] N.S.W.

Barrandella (*Barrandina*) minor Booker

See *Barrandina minor* Booker.

Barrandella (*Barrandina*) *wilkinsoni* Booker

See *Barrandina wilkinsoni* Booker.

Barrandina minor Booker

= *Barrandella* (*Barrandina*) *minor* Booker.

Syntypes F. 41862–66.

Booker, F. W., 1926. *J. Proc. R. Soc. N.S.W.* 60, p. 138, pl. 6, figs 1a–d (F. 41862) figs 2a–d (F. 41863), figs 3a–d (F. 41864) figs 4a–d (F. 41865), fig. 6 (mislaid) fig. 7 (F. 41866); slide of sectioned specimen (F. 42642).

Booker, F. W., 1933. *Ibid.*, 66, p. 339.

Upper Silurian (Barrandella Shales): Hatton's Corner, near Yass, N.S.W.

Barrandina wilkinsoni Booker*

= *Barrandella* (*Barrandina*) *wilkinsoni* Booker.

Syntypes F. 41857–60, F. 42633.

Booker, F. W., 1926. *Ibid.*, p. 133, pl. 5, figs 1a–d (F. 41857), figs 2a–d (F. 41858), figs 3a–d (F. 41859), figs 4a–d (F. 41860), fig. 5 (? F. 42633).

Booker, F. W., 1933. *Ibid.*, 66, p. 339.

Upper Silurian (Barrandella Shales): Hatton's Corner, near Yass, N.S.W.

* Etheridge's type specimens of *Pentamerus linguifer* var. *wilkinsoni* (*Rec. geol. Surv. N.S.W.*, 1892, 3 (2), p. 52, pl. 11, figs 5–9, non. fig. 8), referable to the above species, have been mislaid in the Mining Museum, Sydney.

hythyris elliptica Roberts

e *Spirifer pinguis Dun* (non Sowerby).

ixtonia typica Booker

Wyndhamia dalwoodensis Booker

olotype (a) F. 41763; hypotypes F. 41766, F. 42325, (b) F. 39440.

Booker, F. W., 1929. *J. Proc. R. Soc. N.S.W.*, 63, p. 30, pl. 3, figs 1–3 (F. 41763).

Maxwell, W. G. H., 1954. *J. Paleont.*, 28 (5), p. 545, pl. 55, fig. 8, (F. 39440), figs 9–10 (F. 41763), figs 11–12 (F. 42325), fig. 13 (F. 41766).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 50.

Permian (Branxton Subgroup): (a) Portion 147, Parish Branxton; (Conjola Formation): (b) Egan's Hill, Conjola, N.S.W.

Maxwell, 1954, referred the above species to *Strophalosia.*

crinella farleyensis (Etheridge and Dun)

ectotype F. 35480; paralectotype F. 35485.

Etheridge, R., and Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 302, pl. 42, fig. 9 (F. 35480), fig. 10 (mislaid), fig. 11 (F. 35485).

Hill, D., 1950. *Pap. Dep. Geol. Univ. Qd.*, 3 (2), p. 14.

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 77.

Permian (Farley Formation): Farley, near West Maitland, N.S.W. Originally described by Etheridge and Dun, 1909, as *Productus cora* var. *farleyensis;* Coleman, 1957, refers to the species as *Linoproductus cora* var. *farleyensis.*

netes sp. indet.

igured specimen F. 35678.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 164, pl. 17, fig. 15.

Devonian: White Cliffs, near Wilcannia, N.S.W.

netes aspinosa Dun

= *Delepinea aspinosa* (Dun).

yntypes (a) F. 35597, F. 35600, (b) F. 35601, (c) F. 35596, F. 35599.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 71, pl. 19, fig. 1 (F. 35597), fig. 2 (F. 35599), fig. 3 (mislaid); pl. 20, fig. 1 (F. 35601), fig. 2 (F. 35596), fig. 3 (F. 35599), fig. 4 (F. 35600), fig. 5 (mislaid).

Maxwell, W. G. H., 1961. *J. Paleont.*, 35 (1), p. 87.

Lower Carboniferous: (a) Binge Berry, Rouchel Brook, County Durham, (b) Torryburn, 12 miles from Paterson, (c) 6½ miles from Stroud on track to Myall, N.S.W.

Conchidium etheridgei Dun

See *Pentamerus* (*Conchidium*) *etheridgei* Dun.

Conchidium knightii (Sowerby)

See *Pentamerus knightii* Sowerby.

Conchidium knightii var. *stricta* Dun

See *Pentamerus knightii* (Sowerby).

Cyrtina wellingtonensis Dun

Syntypes F. 46741–44.

Dun, W. S., 1904. *Rec. geol. Surv. N.S.W.*, 7 (4), p. 319, pl. 61, fig. 2 (F. 46742), fig. 2a (F. 46741), fig. 2b (F. 46744), fig. 2c (F. 46743).

? Silurian. Wellington Caves, N.S.W.

Dictyoclostus callytharrensis Prendergast

= *Dictyoclostus* (? *Antiquatonia*) *callytharrensis* Prendergast.

Mentioned and figured specimens (a) F. 38147, (b) F. 36507–8, (c) F. 36237.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 13.

Coleman, P. J., 1957. *Bull. Min. Resour. Geol. Geophys. Aust.*, 40, p. 54, pl. 6, fig. 3 (F. 36508).

Permian (Callytharra Formation): (a) 1½ miles west of Williambury-Middalya Gate, Middalya Station, (b) Barracooda Pool, Arthur River, (c) Jimba Jimba Station, left bank of Gascoyne River, near Winnemia, North-West Division, Western Australia.

Dictyoclostus gratiosus (Waagen)

= *Marginifera gratiodentalis* (Grabau).

Hypotypes (a) F. 37567, (b) F. 37568, (c) F. 37569–71.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 17, pl. 2, figs 5–7 (F. 35769).

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 79, pl. 9, figs 1–3 (F. 37569).

Permian (Wandagee Formation): (a) ¼ mile east of shale outcrop, Minilya River, (b) ¼ mile west of shale outcrop, Minilya River, (c) bank of Minilya River, Western Australia.

Dictyoclostus (? *Antiquatonia*) *magnus* Coleman

Holotype F. 36514; paratypes F. 36513, F. 36515.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 18, pl. 2, figs 8–9, (F. 36514).

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 57, pl. 7, figs 2–3 (F. 36514).

Permian (Callytharra Formation). Wyndham Gap, North-West Division, Western Australia.

Dictyoclostus spiralis Prendergast (non Waagen)

= *Dictyoclostus* (? *Antiquatonia*) *magnus* Coleman.

Dielasma amygdala (Dana)

See *Fletcherithyris amygdala* (Dana).

Dielasma elongata (Dana)

See *Terebratula elongata* Dana.

Dielasma hastata var. *globosa* Laseron

Holotype F. 20182.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 199, pl. 15, fig. 9.

Permian (? Wandrawandian Siltstone): Longreach, Shoalhaven River, N.S.W.

Dielasma inversa Etheridge 1898 (non *Rhynchonella inversa* de Koninck)

= *Fletcherithyris parkesi* Campbell (b) F. 35681, F. 35679.

= *Jisuina* sp. (b) F. 35682; (a) F. 35797.

Etheridge, R., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 175, pl. 19, figs 1–3 (F. 35797), figs 4–6 (F. 35681), figs 7–9 (F. 35682), figs 10–11 (F. 35679), figs 12–13 (missing).

Permian (Allandale Formation): (a) Harper's Hill; (Muree Formation): (b) Reservoir at West Maitland, N.S.W.

See *also Fletcherithyris parkesi* Campbell.
See also *Jisuina* sp. Campbell.

Generic position of specimen F. 35797 is doubtful; see Campbell, K. S. W., 1965. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 68, p. 73, and also p. 74 for comments on specimens F. 35682 and F. 35679.

Dielasma inversa Etheridge 1919 (non *Rhynchonella inversa* Dana)

= *Gilledia ulladullensis alta* Campbell.

Hypotypes F. 7951, F. 16879.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 183, pl. 29, fig. 3 (F. 7951), fig. 4 (F. 16879).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

See also *Gilledia ulladullensis alta* Campbell.

Dielasma jerviensis Etheridge

See *Gilledia jerviensis* (Etheridge).

Dielasma sacculum var. *hastata* (Sowerby)

Hypotype F. 35602.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 81, pl. 21, fig. 13.

Roberts, J., 1965. *Palaeontology*, 8 (1), p. 70.

Lower Carboniferous: Wallaroo Hill, Clarencetown, N.S.W.

Ectenoglossa brunnschweileri Fletcher

Holotype F. 49027; paratypes F. 48995, F. 49014, F. 49044.

Fletcher, H. O., 1964. *Rec. Aust. Mus.*, (10), p. 288, pl. 31, fig. 4 (F. 49027), fig. 5 (F. 48995), fig. 6 (F. 49014); pl. 3 fig. 15 (F. 49044).

Lower Ordovician: Alongside creek on sic of old Mootwingee-White Clffs mail roa via Mount Wright, about 8 miles fro Mootwingee Homestead, N.S.W.

Etheridgina (?) *muirwoodae* Prendergast*

Lectotype (a) F. 16699*; paralectotypes specimens also numbered F. 16699*; topo type F. 16812; mentioned specimens (b F. 38498–99.

Etheridge, R., 1918. *S. Aust. Brch Geog. Soc Aust.*, 18, p. 253, pl. 40, fig. 11 (F. 16812) fig. 12 (F. 16699).

Prendergast, K. L., 1943. *J. R. Soc. Wes Aust.*, 28, p. 54, pl. 6, figs 14–15 (F. 16699).

Coleman, P. J., 1957. *Bull. Bur. Min. Resour Geol. Geophys. Aust.*, 40, p. 109, pl. 17 fig. 7 (F. 16699), fig. 8 (F. 16812).

Permian (Noonkanbah Formation): (a) Balmaningarra, Mount Marmion, Kimberley district; (Wandagee Formation) (b) Wandagee Station, Minilya River, North West Division, Western Australia.

* Originally described by Etheridge, 1918, as *Strophalosia complectens.*

Fletcherina amygdala (Dana)

See *Fletcherithyris amygdala* (Dana).

Fletcherithyris amygdala (Dana)

Plastolectotype (a) L. 619*; hypotypes F. 22659–61, F. 22663, F. 22637–41, F. 24140, F. 20274, (b) F. 22864–66; mentioned (c) F. 263.

Dana, J. D., 1849, In United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 682, pl. 1, figs 2a–d (original of L. 619).

Campbell, K. S. W., 1965. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 68, p. 26, pl. 6, figs 11, 13–14 (F. 22659), fig. 12 (F. 22660), figs 19–21 (F. 22661), fig. 24 (F. 24140), figs 25–27 (F. 22640), figs 28–31 (F. 20274), figs 32–34 (F. 22639 and F. 22638), fig. 35 (F. 22637), text figs 7c (F. 22663), 7d (F. 22660), 8 (F. 22640), 9 (F. 22641).

Waterhouse, J. B., and Vella, P., 1965. *Trans. R. Soc., N.Z.*, 3 (5), p. 74.

Permian (Gerringong Volcanics): (a) Black Head, near Gerringong; (Wandrawandian Siltstone or Lower Nowra Sandstone): (b) Jerrawangala; (Upper Conjola or Nowra Sandstone): (c) Jervis Bay, N.S.W.

* Described and figured by Dana as *Terebratula amygdala; lectotype* (original of L. 619) is F. 3597b in U.S. National Museum, Washington, U.S.A.

tcherithyris farleyensis Campbell

Paratype F. 29510, mentioned F. 39582.

Campbell, K. S. W., 1965. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 68, p. 33, pl. 6, figs 4, 5, 9 (F. 29510).

Permian (Farley Formation): Farley, near Maitland, N.S.W.

tcherithyris illawarrensis Campbell

Paratypes F. 20365, F. 21868.

Campbell, K. S. W., 1965. *Ibid.*, p. 40.

Permian (Conjola Formation): Wyro, near Conjola, N.S.W.

tcherithyris parkesi Campbell

Paratypes (a) F. 21846–51, F. 21853, F. 20822; mentioned (b) F. 13746a–f, F. 13747a–e, F. 13749a–d, F. 13750a–c, F. 13752a–c, F. 13753, (c) F. 35681*, F. 35679*, F. 35791–92, (d) F. 45322b, (e) F. 17008–09, F. 24141, F. 24192, (f) F. 42778–83.

Campbell, K. S. W., 1965. *Ibid.*, 68, p. 43, pl. 8, figs 1–2 (F. 28151), figs 3–5 (F. 28147), figs 10–13 (F. 21853), figs 14–15 (F. 21850), figs 16–19 (F. 17009), figs 20–23 (F. 13746), text fig. 16 (F. 21846).

Permian (Conjola Formation): (a) Wyro, near Ulladulla; (? Berry Formation): (b) Bundanoon Gully; (? Muree Formation): (c) near reservoir at West Maitland; (Capertee Group): (d) Rylstone; (Gerringong Volcanics): (e) Gerringong; (Porcupine Formation): (f) near Curlewis, N.S.W.

See also *Dielasma inversa* Etheridge 1898 (non de Koninck).

* Specimens originally figured as that species.

lledia culburrensis Campbell

Mentioned specimens (a) F. 20734–36, F. 20769–73, F. 20654, F. 20362, F. 39483, F. 39491, (b) F. 45143, (c) F. 22110, F. 22115. F. 22130, F. 22085.

Campbell, K. S. W., 1965. *Ibid.*, p. 89, pl. 3, figs 12–15 (F. 39491), fig. 21 (F. 20770).

Permian (Conjola Formation): (a) Wyro, near Ulladulla, (b) Warden's Head, Ulladulla, (c) North Head, Ulladulla, N.S.W.

lledia jervisiensis (Etheridge)

Holotype F. 268.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 183, pl. 28, fig. 4.

Campbell, K. S. W., 1965. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 68, p. 87, pl. 15, fig. 12.

Permian (possibly Nowra Sandstone but may be as low as upper Conjola Formation): Cabbage Tree, north side of Jervis Bay, N.S.W.

Gilledia pelicanensis Campbell

Mentioned specimens (a) F. 19262, F. 19312–13, F. 20286, F. 20301, F. 22278, F. 22742, F. 22747, (b) F. 22766.

Campbell, K. S. W., 1965. *Ibid.*, p. 89.

Permian (Wandrawandian Siltstone): (a) Tianjarra, (b) Jerrawangala, N.S.W.

Gilledia ulladullensis Campbell

Holotype F. 20779; paratypes F. 20703, F. 20818, F. 28128, F. 22828, F. 24126, F. 24129–30, F. 24269–70, F. 39491, F. 39486.

Campbell, K. S. W., 1965. *Ibid.*, p. 83, pl. 7, figs 7–9 (F. 39486), figs 10–12, 15 (F. 22828), fig. 16 (F. 24126), fig. 17 (F. 39491), figs 13–14, 18 (F. 24129); pl. 15, figs 8–11 (F. 20779); text fig. 34 (F. 24269, serial sections on film).

Permian (Conjola Formation): Wyro, south of Ulladulla, N.S.W.

Gilledia ulladullensis alta Campbell

Holotype (a) F. 49647; paratypes F. 45314–21, F. 49647, F. 43035; mentioned (b) F. 7951*, F. 16879*, F. 22832, (c) F. 22831.

Campbell, K. S. W., 1965. *Ibid.*, p. 85, pl. 7, figs 24–26 (F. 45316), figs 27–29 (F. 43035), figs 30–32 (F. 49647).

Permian (Capertee Group): (a) Rylstone; (Gerringong Volcanics): (b) Wollongong, (c) Black Head, Gerringong, N.S.W.

* Specimens figured by Etheridge, see *Dielasma inversa* Etheridge 1919.

Grantonia hobartensis Brown

Holotype F. 44666; paratypes F. 44667–68, F. 44670–73.

Brown, Ida A., 1953. *J. Proc. R. Soc. N.S.W.*, 86 (2), p. 61, pl. 6, figs 1a–b (F. 44666), fig. 2 (F. 44670), figs 3a–d (F. 44671), figs 4a–b (F. 44667), fig. 5 (F. 44668), fig. 6 (?), fig. 7 (F. 44672), fig. 8 (F. 44673).

Permian (Berriedale Limestone): Rathbone's quarry, New Norfolk Road, near Granton, about 12 miles N.N.W. of Hobart, Tasmania.

See also *Spirifer stokesi* Morris (non Koenig).

Heteralosia etheridgei (Prendergast)

See *Strophalosia* (*Heteralosia*) *etheridgei* Prendergast.

Hoskingia nobilis (Etheridge)

Mentioned specimen F. 9457.

Campbell, K. S. W., 1965. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 68, p. 60.

Permian (Mingenew Formation): One mile east of Mingenew Railway Station, Western Australia.

Jisuina sp.

Figured specimen F. 35682*.

Campbell, K. S. W., 1965. *Ibid.*, p. 105, pl. 15, figs 13–15, text fig. 42.

Permian (? Muree Formation): West Maitland, N.S.W.

* See also *Dielasma inversa* Etheridge 1898.

Krotovia spinulosa (Sowerby)

Hypotypes (a) F. 38442–43, F. 38446, (b) F. 37563–64, F. 37578, F. 37582, F. 37725, (c) F. 37579.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 30, pl. 4, figs 11–13 (F. 38446).

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 65, pl. 7, figs 19–22 (F. 38446), fig. 23 (F. 37579), fig. 24 (F. 38443).

Permian (Wandagee Formation): (a) Wandagee Station, Minilya River, (b) Bank of Minilya River, (c) ¼ mile west of shale outcrop northern bank of Minilya River, North-west Division, Western Australia.

Leptaena rhomboidalis Wilckens (?)

Hypotype F. 50980.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 164, pl. 17, fig. 11.

Devonian: White Cliffs, near Wilcannia, N.S.W.

? *Licharewia phalaena* (Dana)

See *Spirifer phalaena* Dana.

Lingula adamsoni Fletcher

Holotype F. 47400; paratypes F. 47401, F. 32965, F. 31890.

Fletcher, H. O., 1964. *Rec. Aust. Mus.*, 26 (10), p. 290, pl. 32, fig. 4 (F. 32965), fig. 5 (F. 47400), fig. 6 (F. 31890), fig. 7 (F. 47401).

Upper Silurian: Oak's Creek, near Cootamundra, N.S.W.

Lingula gregaria Etheridge

Holotype F. 7502.

Etheridge, R., *Ibid.*, 4 (3), p. 120, text fig. 14.

Fletcher, H. O., *Ibid.*, 26 (10), p. 292, pl. 32, fig. 8.

Upper Devonian: Nyrang Creek, 5 miles from Canowindra, N.S.W.

Lingula merrimbulensis Fletcher

Holotype F. 46149; paratypes F. 46150, F. 46155, F. 46158.

Fletcher, H. O., 1964. *Ibid.*, p. 290, pl. 32, fig. 9 (F. 46158), fig. 10 (F. 46149), fig. 11 (F. 46150), fig. 12 (F. 46155).

Upper Devonian (Merrimbula Formation): Road-cutting 200 yards north of Bellbird Creek on Prince's Highway, 3 miles north of Eden, N.S.W.

Lingula murrumbidgeensis Fletcher

Holotype F. 29897; paratypes F. 49393, F. 49395; mentioned F. 2382,* F. 2506*

Fletcher, H. O., 1964. *Ibid.*, p. 291, pl. 32, fig. 1 (F. 29897), fig. 2 (F. 49395), fig. 3 (F. 49393).

Middle Devonian: Cave Flat, Murrumbidgee River, N.S.W.

* Recorded as *Lingula* sp. indet. by Benson, W.N., 1922, *Rec. geol. Surv. N.S.W.*, 10 (2), p. 169.

Lingula ovata Dana

Plastosyntypes L. 628, L. 691*

Dana, J. D., 1849, In United State Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 686, pl. 2, fig. 6a (original of L. 618), fig. 6b (original of L. 691).

Permian (Gerringong Volcanics): Black Head, near Gerringong, N.S.W.

* Syntype in U.S. National Museum, Washington, U.S.A.

Lingulella (*Leptembolon*) *gnaltaensis* Fletcher

Holotype F. 49383; paratype F. 49384.

Fletcher, H. O., 1964. *Rec. Aust. Mus.*, 26 (10), p. 287, pl. 31, fig. 7 (F. 49383), fig. 9 (F. 49384).

Lower Ordovician: Mootwingee Ranges, creek alongside old Mootwingee-White Cliffs mail road, via Mount Wright, about 8 miles from Mootwingee Homestead, N.S.W.

Linoproductus cancriniformis (*Tchernyschew*)

Syntypes * (a) F. 16731, F. 16734–36, F. 16742; hypotypes (b) F. 38453–57, F. 9069, (c) F. 37580, (d) F. 37576, (e) F. 37565, (f) F. 16729, F. 10749.

Etheridge, R., 1918. *S. Aust. Brch geog. Soc. Aust.*, 18, p. 254, pl. 39, fig. 4 (F. 16731), fig. 5 (F. 16742), fig. 6 (F. 16734).

Prendergast, K. L., 1935. *J. R. Soc. West. Aust.*, 21, p. 14, pl. 2, fig. 11 (F. 16731), fig. 12 (F. 16742).

Prendergast, K. L., 1943. *Ibid.*, 28, p. 23.

Coleman, P. J., 1957. *Bull. Bur. Miner Resour. Geol. Geophys. Aust.*, 40, p. 69, pl. 8, fig. 7 (F. 38455), figs 8–9 (F. 38456).

Permian (Noonkanbah Formation): (a) Balmaningarra, Mount Marmion (Wandagee Formation): (b) Minilya River, North-West Division, (c) ¼ mile west of shale outcrop, northern bank of Minilya River, (d) ¾ mile east of shale outcrop, northern bank of Minilya River, (e) ¼ mile east of fault, southern bank of Minilya River; (Fossil Cliff Formation): (f) Irwin River district, Western Australia.

Syntypes *described by Etheridge, 1918, as *Productus bellus.*

noproductus cancriniformis var. *lyoni* Prendergast

= *Linoproductus lyoni* Prendergast.

Holotype F. 36530; topotypes F. 36531–33, F. 36535, F. 36537–38, F. 36540.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 24, pl. 3, figs 1–2 (F. 36530).

Coleman, P. J., 1957. *Bull. Miner Resour. Geol. Geophys. Aust.*, 40, p. 76, pl. 8, figs 20–21 (F. 36530).

Permian (Lyons Formation, upper part): Ten chains northwest of Gnarrea Pool, near Winning Station, North-West Division, Western Australia.

inoproductus cora var. *farleyensis* Etheridge and Dun

See *Cancrinella farelyensis* (Etheridge and Dun)

inoproductus cora var. *foordi* (Etheridge)

Hypotypes (a) F. 36247, F. 36251–55, (b) F. 9027, (c) F. 36287.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 22.

Coleman, P. J., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 40, p. 74.

Permian (Byro Formation): (a) Gascoyne River, near Winnemia, (b) Wyndham River, (c) Gascoyne River, North-West Division, Western Australia.

inoproductus lyoni Prendergast

See *Linoproductus cancriniformis* var. *lyoni* Prendergast.

larginifera gratiodentalis (Grabau)

See *Dictyoclostus gratiosus* (Waagen)

larginirugus barringtonensis (Dun)*

Lectotype F. 37308; paralectotypes F. 35464–67.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 91, pl. 25, fig. 1 (F. 35466**), fig. 2 (F. 35467), fig. 3 (F. 37308), fig. 4 (F. 35465), fig. 5 (F. 35464).

Campbell, K. S. W., 1956. *J. Paleont.* 30 (3), p. 465, pl. 48, fig. 5 (F. 35467).

Lower Carboniferous: "Wash Tubs", near Barrington, N.S.W.

* Originally described by Dun as *Productus barringtonensis.*

** This specimen is now *Marginirugus barringtonensis alatus* Campbell.

Marginirugus barringtonensis alatus Campbell

Paratype F. 35466*.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 92, pl. 25, fig. 1, non figs 2–5.

Campbell, K. S. W., 1956. *J. Paleont.*, 30 (3), p. 467, pl. 48, fig. 1.

Lower Carboniferous: "Wash Tubs", near Barrington, N.S.W.

* Figured originally as *Productus barringtonensis* Dun.

Marinurnula sp. indet.

Mentioned specimen F. 1152*.

Campbell, K. S. W., 1965. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 68, p. 103.

Permian (Mulbring Subgroup): Mulbring, N.S.W.

* Specimen too badly distorted for specific affinities.

Martiniopsis inflata Waagen

= *Martiniopsis subpentagonalis* Waagen

Hypotypes (a) F. 44674*, (b) F. 39604, (c) F. 39605, (d) F. 39602.

Brown, Ida A., 1953. *J. Proc. R. Soc. N.S.W.*, 86 (4), p. 104, pl. 9, figs 1a–d (F. 44674), figs 2a–c (F. 39605), figs 3a–c (F. 39604), text fig. 1 (F. 45589).

Waterhouse, J. B., 1965. *Trans. R. Soc. N.Z.*, 3 (12), p. 169.

Permian: (a) Right bank of Baral Nala, southwest of Amb; (b) 3½ miles west-northwest of Buri Khel; (c) just northwest of Amb; (d) Trimu Wahan, Salt Range; India.

* Plaster cast, original specimen was serial sectioned (F. 45589), drawings text fig. 1, p. 101.

Martiniopsis inflata Waagen

Plastoparatype F. 28599.

Waagen, A., 1883. *Mem. geol. Surv. India Palaeont. Indica,* Ser. 13, 1 (4), p. 525, pl. 41, figs 7a–b.

Permian (Upper Productus Limestone): Chidru, India.

Martiniopsis strzeleckii (de Koninck)

Hypotype*

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 184, pl. 28, fig. 1.

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 164.

Permian (Nowra Sandstone): Nowra Hill, near Nowra, N.S.W.

* This specimen, which was in the collection of the School of Arts, Berry, N.S.W., has been lost.

Martiniopsis subpentagonalis Waagen

Plastosyntype F. 38600.

Waagen, W., 1883. *Mem. geol. Surv. India Palaeont. indica,* Ser. 12, 1 (4), p. 527, pl. 42, fig. 10.

Brown, Ida A., 1953. *J. Proc. R. Soc. N.S.W.*, 86 (4), p. 104 (recorded as a synonym of

Permian (Lower Productus Limestone): Amb, India.

See also *Martiniopsis inflata* Waagen.

Martiniopsis subradiata var. *branxtonensis* Etheridge

Lectotype F. 22; paralectotypes F. 6625, F. 33.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 185, pl. 28, figs 5–6 (F. 33); pl. 29, fig. 1 (F. 22), fig. 2 (F. 6625).

Campbell, K. S. W., 1960. *J. Paleont.*, 34 (6), p. 1112.

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 165.

Permian (Farley Formation): Farley, N.S.W.

Martiniopsis uralica Tschernyschew

Hypotype F. 45581.

Brown, Ida A., 1952. *J. Proc. R. Soc. N.S.W.*, 86 (4), p. 106, pl. 9, figs 4a–c.

Sakmarian (*Pseudoschwagerina princeps* Zone): Trataushikan, Bashkiria, Urals, U.S.S.R.

Megousia solita Waterhouse

Paratypes (a) F. 23960, F. 23986; mentioned (b) F. 19257, F. 52051–3, (c) F. 22223, F. 52054, (d) F. 52021.

Waterhouse, J. B., 1968. *J. Paleont.*, 42 (5), p. 1172, pl. 154, figs 8, 10 (F. 23986).

Permian (Shoalhaven Group): (a) Berrara, near Sussex Inlet, (b) Headland near Sussex Inlet, (d) Ulladulla, (c) (Gerringong Volcanics); Gerringong, N.S.W.

Merista plebeia Sowerby

Hypotypes F. 29455–56.

Mitchell, J., 1921. *Proc. Linn. Soc. N.S.W.*, 45 (4), p. 544, pl. 31, figs 1–2 (F. 29456), fig. 3 (F. 29455).

? Middle Devonian. Bulga Hill, Tulcumbah, near Carroll, N.S.W.

Meristina (?) *australis* Dun.

= *Atrypoidea australis* Mitchell and Dun

Syntypes F. 46736–37.

Dun, W. S., 1904. *Rec. geol. Surv. N.S.W.*, 7 (4), p. 318, pl. 61, figs 3–3c (mislaid), fig. 3d (F. 46737), fig. 3e (F. 46736).

Mitchell, J., and Dun, W. S., 1920. *Proc. Linn. Soc. N.S.W.*, 45 (2), p. 272.

Silurian: Limestone near Molong, N.S.W.

See also *Atrypoidea australis* Mitchell and Dun.

Molongia elegans Mitchell

Syntypes F. 29451–54.

Mitchell, J., 1921, *Ibid.*, p. 547, pl. 31, fig. 6 (F. 29452), fig. 7 (F. 29451), fig. 8 (F. 29454), fig. 12 (F. 29453).

Upper Silurian: Parish Bomey, County Wellington, about 8 miles west of Molong, N.S.W.

Obolus mootwingeensis Fletcher

Holotype F. 47427 –steinkern F. 47439; paratypes F. 49056, F. 47422, F. 47428, F. 48963, F. 48974.

Fletcher, H. O., 1964. *Rec. Aust. Mus.*, (10), p. 286, pl. 31, fig. 1 (F. 47427), 2 (F. 47422), fig. 3 (F. 47439), fig. 8 (F. 48974); pl. 32, fig. 13 (F. 47428), fig. (F. 48963).

Lower Ordovician: Creek on side of Mootwingee-White Cliffs road, via Mou Wright, about 8 miles from Mootwing Station, N.S.W.

Orthis sp.

Figured specimen F. 46130.

Etheridge, R., 1894. Official Contributions the Palaeontology of South Australia, *Aust. Parl. Pap.* 25, (Contrib. 7), p. pl. 3, figs 4–5.

Ordovician: Macdonnell Ranges, Northe Territory.

Orthis lenticularis (Wahlenberg?)

Hypotypes F. 9242–43.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2 p. 27, pl. 10, figs 5–6, 9 (F. 9242), fi 7–8 (F. 9243).

Ordovician: Florentine Valley, Derwe River, Tasmania.

Orthis leviensis Etheridge

Syntypes F. 7029, F. 7036.

Etheridge, R., 1891. Official Contributions the Palaeontology of South Australia, *Aust. Parl. Pap.*, 158, p. 14, pl. 1, fig. (F. 7029), figs 6–7 (F. 7036).

Ordovician: Six miles east of Illara Wate Levi Range, Northern Territory.

Orthis (*Schizophoria*) *striatula* Mitchell

Syntypes F. 29458–59, F. 29463–64.

Mitchell, J., 1921. *Proc. Linn. Soc. N.S.W.* 45 (4), p. 550, pl. 31, fig. 16 (F. 29459 figs 17–18 (F. 29458), fig. 19 (F. 29464 fig. 20 (F. 29463).

Devonian: Tydd's Farm, Talcumbah, Paris Gennenbene, County Nandewar, N.S.W.

Orthis (*Rhipidomella*) *valida* Dun

= *Rhipidomella valida* Dun.

Lectotype F. 35603 (Orig. No. F. 3980); para lectotypes F. 35604–05.

Dun, W. S., 1904. *Rec. geol. Surv. N.S.W.* 7 (4), p. 324, pl. 60, figs 2–2a (F. 35603) figs 2b–c (F. 35605), fig. 2d (? F. 35604).

Cvancara, A. M. *J. Paleont.*, 32 (5), p. 854

Lower Carboniferous: Rawdon Vale, Portio 9, Parish Knowla, County Gloucester N.S.W.

amerella molongensis (Mitchell)

See *Barrandella molongensis* Mitchell.

tamerus (?)

igured specimen F. 50978.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 165, pl. 17, fig. 9.

Devonian: White Cliffs Opal Field, near Wilcannia, N.S.W.

tamerus ? *costatus* Etheridge

yntype F. 46738.

Etheridge, R., 1892. *Ibid.*, 3 (2), p. 58, pl. 10, figs 7–8 (mislaid*); pl. 11, fig. 10 (F. 46738).

"Siluro-Devonian": Limestone Escarpment, Portion 51, Parish West Goodradigbee, County Buccleugh, N.S.W.

* Specimens possibly in Mining Museum, Sydney.

tamerus (*Conchidium*) *etheridgei* Dun

Syntype F. 46735.

Dun, W. S., 1907. *Ibid.*, 8 (3), p. 265, pl. 40, fig. 2 (mislaid*), fig. 2a (F. 46735), figs 2b–c (mislaid*).

Silurian: Oaky Creek, County Ashburnham, N.S.W.

* Specimens possibly in Mining Museum, Sydney.

ntamerus hospes Barrande

Hypotypes F. 28978, F. 28983.

Etheridge, R., 1892. *Ibid.*, 3 (2), p. 57, pl. 11, fig. 11 (F. 28983), fig. 12 (F. 28978).

Upper Silurian: Junction of Barber's Creek and Limestone Creek, near Bowning, N.S.W.

ntamerus knightii Etheridge, non Sowerby

= *Conchidium knightii* var. *stricta* Dun

Hypotypes (a) F. 46731, F. 46734, F. 2526, (b) F. 46733, (c) F. 2306, (d) F. 46730, F. 46732, (e) F. 46729.

Etheridge, R., 1892. *Ibid.*, 3 (2), p. 54, pl. 10, figs 1–3 (F. 2526), fig. 4 (F. 2306), fig. 5 (F. 46734), fig. 6 (F. 46733); pl. 11, fig. 1 (F. 46732), fig. 2 (F. 46731), fig. 3 (F. 46730), fig. 4 (mislaid).

Dun, W. S., 1907. *Ibid.*, 8 (3), p. 266, pl. 40, figs 1, 1a (F. 46729).

Upper Silurian: (a) Yarrangobilly Caves, near Kiandra; (b) Forest Reefs, near Orange; (c) Kerr's Creek, Caloola Mountains, County Bathurst; (d) Quidong, Delegate River, three miles below junction with Bombala River, County Wellesley; (e) Oakey Creek, Parish Barton, N.S.W.

entamerus linguifer var. *wilkinsoni* Etheridge

See *Barradina wilkinsoni* Booker.

Plectodonta bendeninensis (Mitchell)

See *Stropheodonta bendeninensis* Mitchell.

Plectodonta davidi (Mitchell)

Holotype F. 28749, topotypes F. 29383, F. 28754–55.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.W.*, 48 (4), p. 470, pl. 41, fig. 19 (F. 28754), fig. 20 (F. 28755), fig. 21 (F. 28749).

Brown, Ida A., 1949. *J. Proc. R. Soc. N.S.W.* 82 (3), p. 199, pl. 14, figs 1a–b (F. 28749), figs 2a–b (F. 28754), fig. 3 (F. 29383), fig. 4 (F. 28755).

Upper Silurian: Bowning Railway Station, N.S.W.

See also *Stropheodonta striato-punctata* Mitchell.

See also *Stropheodonta striato-costata* Mitchell.

Productus barringtonensis Dun

See *Marginirugus barringtonensis* (Dun).

Productus bellus Etheridge

See *Linoproductus cancriniformis* (Tschernychew).

Productus brachythaerus Morris (non Sowerby)

= *Terrakea brachythaera* (Morris).

Plastolectotype (a) L. 607*; plastoparalectotype ? F. 35471; hypotypes (b) F. 35472, (c) F. 14787, F. 1316, F. 10936, F. 10945, F. 10937, F. 10943, (d) F. 42457, (e) F. 35474, (f) F. 1158, (g) F. 41770.

Morris, J. 1845. *In* Strzelecki, P. E. de, Physical Description of New South Wales and Van Diemen's Land, *London*, p. 284, pl. 14, fig. 4c (lectotype), non 4a–b (original of ?F. 35471).

Etheridge, R., and Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 297, pl. 42, fig. 1 (F. 35472), fig. 4 (F. 14787), fig. 5 (F. 42457), fig. 6 (F. 35474), fig. 8 (F. 1316); pl. 43, fig. 6 (F. 1158), fig. 8 (F. 10936), fig. 9 (F. 10945), fig. 10 (F. 10937), fig. 11 (F. 10943).

Booker, F. W., 1930. *J. Proc. R. Soc. N.S.W.*, 64, p. 70, pl. 1, figs 2 and 5 (F. 41770).

Hill, D., 1950. *Pap. Dept. geol. Univ. Qd.*, 3 (11), p. 19, pl. 2, fig. 1 (L. 607).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 73.

Permian (Gerringong Volcanics): (a) "Illawarra", (b) Dapto, (c) Jamberoo; (Boorook Group): (d) near Boorook; (Nowra Sandstone): (e) Nowra; (?Mulbring Subgroup): (f) Mulbring, near Maitland; (Branxton Subgroup): (g) Portion 152, Parish Branxton, N.S.W.

*Lectotype, original of L. 607, is BB. 9466 in British Museum (Nat. Hist.).

Booker (1930), in introducing his new genus *Terrakea* retained only two of Etheridge's specimens, F. 10936 and F. 10937, in the above species.

See also *Terrakea Ieve* Booker and *Productus fragilis* Dana.

Productus brachythaerus var. *elongata* Etheridge and Dun.

= *Terrakea elongata* (Etheridge and Dun).

Lectotype (a) F. 35475 (orig. number F. 2374); paralectotypes (b) F. 35476, (c) F. 102.

Etheridge, R., and Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 259, pl. 42, figs. 2–3 (F. 35476), fig. 7 (F. 102); pl. 43, fig. 5 (F. 35475), fig. 7 (mislaid*).

Booker, F. W., 1930. *J. Proc. R. Soc. N.S.W.*, 64, p. 74, pl. 1, fig. 6 (mislaid*).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 82. Permian (? Formation): (a) Sonoma, Queensland; (? Nowra Formation): (b) Shoalhaven Heads, near Nowra, N.S.W. (? Formation): (c) St Paul's River, Tasmania.

*Specimens possibly in Mining Museum, Sydney.

Productus cora var. *farleyensis* Etheridge and Dun.

See *Cancrinella farleyensis* (Etheridge and Dun).

Productus fragilis Dana.

= *Terrakea brachythaera* (Morris) non Sowerby.

Plastosyntypes (a) F. 10790–1*; hypotypes (b) F. 38368–71.

Dana, J. D., 1849. In United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 686, pl. 2, fig. 7a (original of F. 10791), fig. 7b (? original of F. 10790).

Booker, F. W., 1930. *J. Proc. R. Soc. N.S.W.*, 64, p. 71, pl. 1, figs. 1–2 (F. 38368), fig. 3 (F. 38371), fig. 4 (mislaid**); pl. 2, fig. 1 (F. 28270); pl. 3 (F. 38369).

Waterhouse, J. B., 1964. *Bull. geol. Surv.* N.Z., 35, p. 73, mentioned specimens (p. 80), F. 20653, F. 37282, F. 22355, F. 20655.

Permian (Gerringong Volcanics): (a) Wollongong; (Mulbring Subgroup): (b) County Durham, Muswellbrook district, N.S.W.

*Syntypes in U.S. National Museum, Washington, U.S.A.

**Specimen possibly in Mining Museum, Sydney.

Productus pustulosus Phillips

= *Waagenoconcha delicatula* Campbell.

Hypotype F. 35484.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.* 7 (2), p. 75, pl. 23, figs 1–2 (mislaid*), fig. 3 (F. 35484).

Campbell, K. S. W., 1956. *J. Paleont.*, 30 (3), p. 471.

Lower Carboniferous: Glen William Road, 2½–3 miles from Clarencetown, N.S.W.

*Specimens possibly in Mining Museum, Sydney.

Productus (?) *solida* Etheridge and Dun

= *Terrakea solida* (Etheridge and Dun)

Lectotype F. 35782*; paralectotypes F. 35478–9.

Etheridge, R., and Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 303, pl. 43, figs 1–2 (F. 35478), fig. 3 (F. 35782), fig. 4 (F. 35479).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, pp. 83–84.

Permian: Darr (? Don) River, Queensland.

* Lectotype selected by C. McDonagh, ms. Thesis "The Geology of the Pikedale Area" (University of Queensland, 1962).

Productus (?) *subquadratus* Morris

= *Taeniothaerus subquadratus* (Morris)

Plastoholotype (a) F. 10794*; hypotypes (b) F. 36316 (original number F. 76), F. 153, F. 37368.

Morris, J., 1845 *in* Strzelecki, P. E. de: Physical Decription of New South Wales and Van Diemen's Land, *London*, p 284.

Etheridge, R., and Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 300, pl. 41, fig. 1 (F. 10794), fig. 2 (F. 37678), figs 3–4 (F. 153), fig, 5 (F. 36316).

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 27.

Permian (? Formation): Mount Dromedary and Mount Wellington, Tasmania; (Middle Bowen Group); (b) Mount Britton, Queensland.

* Holotype in British Museum (Natural History).

Productus tenuistriata var. *foordi* Etheridge

See *Linoproductus cora* var. *foordi* (Etheridge).

Pseudosyrinx exsuperans (de Koninck)

See *Syringothyris exsuperans* de Koninck.

Retzia salteri Davidson

Hypotype F. 29457.

Mitchell, J., 1921. *Proc. Linn. Soc. N.S.W.*, 45 (4), p. 547, pl. 31, figs 4–5.

Upper Silurian: Limestone Creek, near Bowning, N.S.W.

ipidomella valida (Dun)

See *Orthis* (*Rhipidomella*) *valida* Dun.

ynchonella (?)

Figured specimen F. 50982.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 168, pl. 17, fig. 7.

Devonian: White Cliffs, near Wilcannia, N.S.W.

ynchonella sp. indet

Figured specimen F. 50981.

Dun, W. S., 1898. *Ibid.*, p. 166, pl. 17, fig. 4.

Devonian: White Cliffs, near Wilcannia, N.S.W.

ynchonella pleurodon Phillips

Hypotype F. 35678*.

Dun, W. S., 1898. *Ibid.*, p. 165, pl. 17, fig. 16.

Devonian: White Cliffs, near Wilcannia, N.S.W.

* Specimen on same slab as type material of *Spirifer jaqueti* Dun.

ynchopora basedowi Etheridge

Syntypes F. 16937–8.

Etheridge, R., 1918. *S. Aust. Brch. geog. Soc. Aust.*, 18, p. 256, pl. 40, figs 7–8 (F. 16938), figs 9–10 (F. 16937).

Permian (Noonkanbah Formation): Balmaningarra, Mount Marmion, Western Australia.

eberella galeata Dalman

Hypotype F. 41861.

Booker, F. W., 1926. *J. Proc. R. Soc. N.S.W.*, 60, p. 145, pl. 7, fig. 4.

Upper Silurian: Wren's Neck, Dudley, England.

eberella glabra Mitchell

Syntypes F. 29166–8.

Mitchell, J., 1920. *Proc. Linn. Soc. N.S.W.*, 45 (4), p. 549, pl. 31, fig. 13 (F. 29168), fig. 14 (F. 29167), fig. 15 (F. 29166).

Booker, F. W., 1926. *J. Proc. R. Soc. N.S.W.*, 60, p. 144, pl. 7, figs 1a–d (F. 29166), figs 2a–d (F. 29168), figs 3a–d (F. 29167).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

chizophoria sp. indet.

Figured specimen F. 50979.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 163, pl. 17, fig. 1.

Devonian: White Cliffs, near Wilcannia, N.S.W.

Spirifer (?) sp.

Replica of figured specimen L. 690*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 684, pl. 2, fig. 2 (original of L. 690).

Permian (Gerringong Volcanics): "Illawarra", N.S.W.

* Original specimen in U.S. National Museum, Washington, U.S.A.

Spirifer sp. indet.

Figured specimen F. 35685.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 167, pl. 17, fig. 10.

Devonian: White Cliffs, near Wilcannia, N.S.W.

Spirifer avicula Sowerby

Plastohypotype F. 38857*.

Morris, J., 1845. *In* Strzelecki, P.E.de, Physical Description of New South Wales and Van Diemen's Land, *London*, p. 282, pl. 17, fig. 6 (original of F. 38857).

Permian (Malbina Formation): Eagle Hawk Neck, Tasmania.

* Original specimen in British Museum (Nat. Hist.).

Spirifer bowningensis Mitchell

Holotype (a) F. 29450; paratype (b) F. 29209.

Mitchell, J., 1921. *Proc. Linn. Soc. N.S.W.*, 45 (4), p. 545, pl. 31, fig. 21 (F. 29209), fig. 22 (F. 29450).

Upper Silurian: (a) Limestone Creek, near Bowning, (b) Bowning, N.S.W.

Spirifer darwini Dana (non Morris)

Plastohypotype L. 623*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 684, pl. 1, fig. 7b (original of L. 623).

Permian (Muree Formation): Glendon, N.S.W.

* Original specimen in U.S. National Museum, Washington, U.S.A.

Spirifer duodecimcostata (M'Coy)

Plastohypotype (a) L. 625; figured specimen (b) F. 50987.

Dana, J. D., 1849. *Ibid.*, p. 684, pl. 2, figs 1a–b (original of L. 625).

David, T. W. E., 1907. *Mem. geol. Surv. N.S.W.*, Geol. 4, pl. 38, fig. 3 (F. 50987 figured only).

Permian (Gerringong Volcanics): (a) Illawarra; (Elderslie Formation): (b) Richmond Vale, N.S.W.

* Original specimen in U.S. National Museum, Washington, U.S.A.

Spirifer glaber (Martin)

Plastohypotypes L. 621–22*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 685, pl. 1, figs 6a–b (L. 621), figs 6c–d (L. 622).

Permian (Gerringong Volcanics): Black Head, Gerringong, N.S.W.

* Original specimens in U.S. National Museum, Washington, U.S.A.

Spirifer jaqueti Dun

Syntypes F. 35666, F. 35676–78.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5, (4), p. 166, pl. 17, fig. 2 (F. 35677), fig. 12 (F. 35666), fig. 13 (F. 35676), figs 14, 17 (F. 35678).

Devonian: White Cliffs, near Wilcannia, N.S.W.

Spirifer phalaena Dana.

= ? *Licharewia phalaena* (Dana)

Plastolectotype F. 38852.

Morris, J., 1845. *In* Strzelecki, P. E. de.—Physical Description of New South Wales and Van Diemen's Land. London, p. 282, pl. 17, fig. 3 (non figs 1–2).

Waterhouse, J. B., and Vella, P., 1965. *Trans. R. Soc. N.Z. Geol.*, 3 (5), p. 67.

Waterhouse, J. B., 1968. *Palaeontographica*, 129 (A), p. 24.

Permian (Malbina Formation): Eagle Hawk Neck, Tasmania.

*Lectotype BM. 8588, named *Spirifer vespertilio* by Morris, 1845, in British Museum (Natural History).

Spirifer pinguis Dun (non Sowerby)

= *Brachythyris elliptica* Roberts.

Hypotype F. 35663.

Dun, W. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 84, pl. 22, fig. 1 (F. 6577*), fig. 2 (F. 6574*), fig. 5 (F. 35663).

Roberts, J., 1963. *J. Proc. R. Soc. N.S.W.*, 97 (1), p. 17.

Lower Carboniferous: Glen William Road, Clarencetown, N.S.W.

* Specimens in Mining Museum, Sydney.

Spirifer stokesi Morris (non Koenig)

= *Grantonia hobartensis* Brown.

Plastohypotype F. 38853*.

Morris, J., 1845. *In* Strzelecki, P. E. de., Physical Description of New South Wales and Van Diemen's Land. *London*, p. 283, pl. 15, figs 1, 1a (Original of F. 38853).

Brown, Ida A., 1953. *J. Proc. R. Soc. N.S.W.*, 86 (2), p. 61.

Permian (? Granton Formation): Mou Dromedary, Tasmania.

*Original specimen (BB. 6247) in Briti Museum (Natural History).

See also *Grantonia hobartensis* Brown.

See also Armstrong, J. D., 1968. *J. ge Soc. Aust.*, 15 (1), p. 83.

Spirifer striatus (Martin)

Figured specimen F. 44669.

Brown, Ida A., 1953. *J. Proc. R. Sc N.S.W.*, 86 (2), p. 57, pl. 5, fig. 6.

Lower Carboniferous: Treak Cliff, ne Castleton, Derbyshire, England.

Spirifer subradiatus Sowerby

Plastosyntypes (a) F. 38855*, F. 38860*; (b F. 38854*, F. 38859*.

Morris, J., 1845. *In* Strzelecki, P. E. de "Physical Description of New South Wale and Van Diemen's Land". *London*, p. 28 pl. 15, fig. 5 (F. 38855); pl. 16, fig. (F. 38860), fig. 2(F. 38859), figs 3– (F. 38854).

Permian (Gerringong Volcanics): Gerrir gong, N.S.W. (Formation ?): (b) (?' Mount Wellington, Tasmania.

Specimen F. 38855, is listed as from Glen don?, is possibly from Gerringong.

* Original specimens in British Museum (Natural History), numbered B. 8542, B 19339, B. 8586 and B. 8543 respectively.

Spirifer tasmaniensis Morris

= *Sulciplica tasmaniensis* (Morris)

Plastolectotype F. 38856.

Morris, J., 1845. *In Strzelecki*, P. E. de Physical Description of New South Wales and Van Diemen's Land, *London*, p. 280 pl. 15, fig. 3 (original of F. 38856), non fig. 4.

Waterhouse, J. B., 1968. *Palaeontographica* 129 (A), p. 25.

Permian, "Eastern Marshes, Van Diemen's Land".

* Lectotype BM. 6246 in British Museum (Nat. Hist.).

See also *Trigonotreta stokesi* Koenig.

"Spirifer" aff. *vespertilio* Waterhouse and Vella.

= *Sulciplica transversa* Waterhouse.

See *Spirifer vespertilio* Morris

Spirifer vespertilio Morris

= *Sulciplica transversa* Waterhouse

Plastosyntypes (a) F. 38858*, F. 38852**, (b) L. 626***–7.

Morris, J., 1845, *in* Strzelecki, P. E. de, Physical Description of New South Wales and Van Diemen's Land. *London*, p. 282, pl. 17, fig. 2 (original of F. 38858), fig. 3 (original of F. 38852).

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 685, pl. 2, figs 3a–b (original of L. 626), fig. 3c (original of L. 627).

Waterhouse, J. B., and Vella, P., 1965. *Trans. R. Soc. N.Z. Geol.*, 3 (5), p. 66.

Waterhouse, J. B., 1968. *Palaeontographica*, 129 (A), p. 27.

Permian (Malbina Formation): (a) Eagle Hawk Neck, Tasmania, (Gerringong Volcanics): (b) Black Head, near Gerringong, N.S.W.

* Original No. 6245, ** original No. 7577 (lectotype of *Licharewia phalaena* Dana) in British Museum (Nat. Hist.).

Original of L. 626, selected by Waterhouse, 1968, as holotype of *Sulciplica transversa*, is No. 3596 in U.S. National Museum, Washington, U.S.A.

inella caecistriata Johnston

Holotype F. 39376*.

Johnston, J., 1941. *Proc. Linn. Soc. N.S.W.*, 66 (3–4), p. 161, pl. 7, figs 1–4 (F. 39376), fig. 5 (F. 39376), fig. 5 (F. 39378), figs 6–9 (F. 39377), figs 11–11 (F. 39379).

Upper Silurian: From outcrop near Cliftonwood, Yass River, Portion 103, Parish Yass, County King, N.S.W.

* All figured specimens with exception of the holotype were destroyed by fire.

ophalosia clarkei (Etheridge)

rophalosia complectens" (Etheridge)

See *Etheridgina muirwoodae* Prendergast

ophalosia (*Heteralosia*) etheridgei Prendergast

Mentioned specimens F. 38463–64, F. 38448.

Prendergast, K. L., 1943. *J. R. Soc. West. Aust.*, 28, p. 43.

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 120.

Permian (Wandagee Formation): Wandagee Station, Minilya River, North-West Division, Western Australia.

ophalosia (*Heteralosia*) *kimberlensis* Prendergast

Mentioned specimens (a) F. 37523–29, (b) F. 36221–25.

Prendergast, K. L., 1943. *Ibid.*, p. 47.

Coleman, P. J., 1957. *Bull. Bur. Min. Resour. Geol. Geophys. Aust.*, 40, p. 124.

Permian (Wandagee Formation): (a) Minilya River; (Byro Formation): (b) Jimba Jimba Station, Gascoyne River, Western Australia.

cf. *Strophalosia maxwelli* Waterhouse

Specimens F. 40866–68*.

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 40.

Permian (Nowra Sandstone): Nowra Hill, near Nowra, N.S.W.

* Also compared with *S. ovalis* Maxwell.

Strophalosia typica Booker.

See *Branxtonia typica* Booker

Stropheodonta sp. indet.

Figured specimen F. 28787.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.W.*, 48 (4), p. 469, pl. 40, fig. 14.

Upper Silurian: Derrengullen Creek, N.S.W.

Stropheodonta bendeninensis Mitchell

= *Plectodonta bendeninensis* (Mitchell)

(a) Holotype F. 28788; (b) Paratypes F. 28789–90, F. 28781.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.W.*, 48 (4), p. 466, pl. 39, fig. 1 (F. 28789), fig. 2 (F. 28788); pl. 40, fig. 12 (F. 28790); pl. 41, fig. 18 (F. 28781).

Brown, Ida A., 1949. *J. Proc. R. Soc. N.S.W.*, 82 (3), p. 201, pl. 14, fig. 7 (F. 28788).

Upper Silurian: (a) Minahan's Selection, Bowning Creek; (b) Bowning, N.S.W.

Stropheodonta borsioides Mitchell

Syntypes F. 28827, F. 28821, F. 28824, F. 28825, F. 28818.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.W.*, 48 (4), p. 467, pl. 39, fig 4 (F. 28825), fig. 5 (F. 28824), fig. 6 (F. 28821), fig. 7 (F. 28818), fig. 8 (mislaid); pl. 40, fig. 9 (F. 28827).

Upper Silurian: Bowning Creek, Silverdale, and Hatton's Corner, Yass River, N.S.W.

Stropheodonta bowningensis Mitchell

Holotype F. 28820.

Mitchell, J., 1923. *Ibid.*, p. 471, pl. 42, fig. 27.

Upper Silurian: Railway cutting about three-quarters of a mile west of the Bowning railway station, N.S.W.

Stropheodonta conica Mitchell

Holotype F. 28780.

Mitchell, J., 1923. *Ibid.*, p. 468, pl. 40, fig. 10.

Upper Silurian: Minahan's Selection, Bowning Creek, one and half miles northwest of Bowning township, N.S.W.

Stropheodonta davidi Mitchell

See *Plectodonta davidi* (Mitchell)

Stropheodonta fragilis Mitchell

Syntypes F. 28823, F. 28826.

Mitchell, J., 1923. Ibid., p. 472, pl. 42, fig. 32 (F. 28823), fig. 33 (F. 28826).

Upper Silurian): Minahan's Selection, Bowning Creek, one and half miles northwest of Bowning township, N.S.W.

Stropheodonta incerta Mitchell

Holotype F. 28783.

Mitchell, J., 1923. Ibid., p. 470, pl. 41, fig. 17.

Upper Silurian: Railway cutting about three-quarters of a mile west of Bowning railway station, N.S.W.

Stropheodonta (Brachyprion) lilydalensis (Chapman)

Hypotype F. 28782.

Mitchell, J., 1923. *Ibid.*, p. 469, pl. 40, fig. 15.

Upper Silurian: Railway cutting about three-quarters of a mile west of Bowning railway station, from rocks near the base of the Bowning Beds, N.S.W.

Stropheodonta minuta Mitchell

Syntypes F. 28746, F. 28751–2, F. 28756.

Mitchell, J., 1923. *Ibid.*, p. 470, pl. 41, fig. 22 (F. 28746), fig. 23 (F. 28751), fig. 24 (F. 28756), fig. 25 (F. 28752).

Upper Silurian: Bowning and Yass Beds from the Lower Trilobite Beds upwards. Bowning, N.S.W.

Stropheodonta phalaenoides Mitchell

Syntypes F. 28785, F. 28819.

Mitchell, J., 1923. *Ibid.*, p. 468, pl. 40, fig 11 (F. 28785); pl. 42, ? figs 27–28 (F. 28819).

Upper Silurian: Minahan's Selection, Bowning Creek, about one and a quarter miles northwest of Bowning township, Parish of Bowning, N.S.W.

Stropheodonta (Leptostrophia) quadrata Mitchell

Holotype F. 28784.

Mitchell, J., 1923. *Ibid.*, p. 469, pl. 40, fig. 16.

Upper Silurian. Railway cutting about three-quarters of a mile west of Bowning railway station, from rocks near the base of the Bowning Beds, N.S.W.

Stropheodonta silverdalensis Mitchell

Holotype F. 28786.

Mitchell, J., 1923. *Ibid.*, p. 467, pl. 39, fig. 3.

Upper Silurian. Junction of Derrengullen and Limestone Creeks, near Bowning, N.S.W.

Stropheodonta striato-costata Mitchell

= *Plectodonta davidi* (Mitchell).

Syntypes F. 28748, F. 28750.

Mitchell, J., 1923. *Ibid.*, p. 472, pl. 42, 29 (F. 28748), fig. 30 (F. 28750).

Brown, Ida A., 1949. *J. Proc. R. Soc. N.S.W* 82 (3), p. 199, pl. 14, fig. 5 (F. 287· fig. 6 (F. 28750).

Upper Silurian: Bowning, N.S.W.

See also *Plectodonta davidi* (Mitchell)

Stropheodonta striato-punctata Mitchell

= *Plectodonta davidi* (Mitchell).

Holotype F. 28745.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.* 48 (4), p. 472, pl. 42, fig. 31.

Brown, Ida A., 1949. *J. Proc. R. Soc. N.S.* 82 (3), p. 199.

Upper Silurian: Bowning township, Parish Bowning, N.S.W.

Stropheodonta tarloensis Mitchell

Holotype F. 28747.

Mitchell, J., 1923. *Proc. Linn. Soc. N.S.* 48 (4), p. 471, pl. 41, fig. 26.

? Upper Silurian or Lower Devonian: Jun tion of Black Creek and Tarlo Riv Parish of Turrallo, County Argyle, o mile northwest of the slate quarry, N.S.

Stropheodonta transversa Mitchell

Holotype F. 28822.

Mitchell, J., 1923. *Ibid.*, p. 468, pl. 40, 1 13.

Upper Silurian: Minahan's Selection, Bow ing Creek, N.S.W.

Sulciplica tasmaniensis ? (Morris)

See *Spirifer tasmaniensis* Morris

See *Trigonotreta stokesi* Koenig

Sulciplica transversa Waterhouse

See *Spirifer vespertilio* Morris

Syringothyris exsuperans de Koninck

= *Pseudosyrinx exsuperans* (de Koninck)

Syntypes (a) F. 35593*; (b) F. 35594–95, 15069.

Etheridge, R., 1896. *Rec. geol. Surv. N.S.W* 5 (2), p. 43, text figs a and b (F. 35593 pl. 6, fig. 1 (F. 35594), figs 2–7 (missing

Roberts, J., 1964. *J. Geol. Soc. Aust.*, 11 (2 p. 188, pl. 5, fig 3 (F. 35595), fig 6 (35594).

Lower Carboniferous. (a) Western Australi (b) Greenhills, 9 miles northeast of Pate son, County Durham, N.S.W.

* Western Australian specimen belongs *Syringothyris* (See Roberts, p. 190).

niothaerus barringtonensis (Dun)

See *Marginirugus barringtonensis* (Dun)

niothaerus subquadratus (Morris)

See *Productus* (?) *subquadratus* Morris

ebratula amygdala Dana

See *Fletcherithyris amygdala* (Dana)

ebratula elongata Dana

Plastoholotype L. 620*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 682, pl. 1, figs 3a–d (original of L. 620).

Permian (Gerringong Volcanics): Black Head, near Gerringong, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

rakea brachythaera (Morris)

See *Productus brachythaerus* Morris (non Sowerby)

rakea elongata (Etheridge and Dun)

See *Productus brachythaerus* var. *elongata* Etheridge and Dun

rakea fragile (Dana)

See *Productus fragilis* Dana

rakea leve Booker

= *Terrakea brachythaera* (Morris)

Syntypes (a) F. 1158, (b) F. 10945, F. 10943.

Booker, F. W., 1930. *J. Proc. R. Soc. N.S.W.*, 64, p. 70, pl. 2, figs 3–4 (mislaid).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 73.

Permian (Mulbring Subgroup): (a) Mulbring (Gerringong Volcanics): (b) Jamberoo, N.S.W.

Syntypes originally described and figured by Etheridge and Dun, 1909, see *Productus brachythaerus* Morris.

rakea solida (Etheridge and Dun)

See *Productus* (?) *solida* Etheridge and Dun

gonotreta stokesii Brown (non Koenig)

= *"Sulciplica" tasmaniensis?* (Morris)

Hypotypes (a) F. 44663, (b) F. 44664–5.

Brown, I. A., 1953. *J. Proc. R. Soc. N.S.W.*, 86 (2), p. 58, pl. 5, fig. 1 (F. 50202*), figs 2a–d (F. 44663), fig. 3 (F. 44664), fig. 4 (F. 44665).

Waterhouse, J. B., 1968. *Palaeontographica*, 129 (A), p. 25.

Permian (Berriedale Limestone): (a) Upper Dromedary Road, 3 miles northwest of Bridgewater, Derwent River, (b) Rathbone's quarry, Granton, Tasmania.

* Plastoholotype of *Trigonotreta stokesi* Koenig; holotype B. 4798 in British Museum (Nat. Hist.).

See also Armstrong, J. D., 1968. *J. geol. Soc. Aust.*, 15 (1), p. 83.

Waagenoconcha delicatula Campbell

See *Productus pustulosus* Phillips

Wyndhamia clarkei Prendergast, non Etheridge

= *Strophalosia multispinifera* Prendergast, revised.

Hypotypes F. 36234–35.

Prendergast, K. L., 1944. *J. R. Soc. West. Aust.*, 28, p. 42, pl. 5, fig. 4 (F. 36235).

Maxwell, W. G. H., 1954. *J. Paleont.*, 28 (5), p. 546.

Coleman, P. J., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 40, p. 130*.

Permian (Gascoyne Formation): Jimba Jimba, near Mooka Springs, North-west Division, Western Australia.

* Listed under "Uncertain Species", but recorded as almost certainly belonging to *Strophalosia multispinifera* Prendergast.

Wyndhamia dalwoodensis Booker

Lectotype F. 41767; paralectoypes F. 41772, F. 41764–66, F. 42325, F. 42323, F. 41768.

Booker, F. W., 1929. *J. Proc. R. Soc. N.S.W.*, 63, p. 25, pl. 1, figs 1–2 (F. 41767), figs 3–4 (F. 41772), fig. 5 (F. 41776); pl. 3, fig. 5 (F. 41765), fig. 7 (F. 41764).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 50 (F. 41767, selected as lectotype).

Permian (Branxton Subgroup): Portion 147, Parish Branxton, County Northumberland, N.S.W.

See also *Wyndhamia valida* Booker.

See also *Branxtonia typica* Booker.

Wyndhamia valida Booker

= *Wyndhamia dalwoodensis* Booker

Type material missing*.

Booker, F. W., 1929. *J. Proc. R. Soc. N.S.W.*, 28, p. 26, pl. 2, figs 1–3 (mislaid), fig. 4 (mislaid), fig. 5 (mislaid); pl. 3, figs 4 and 6 (mislaid).

Maxwell, W. G. H., 1934. *J. Paleont.*, 28 (5), p. 545 (placed as a synonym of *Strophalosia typica* Booker).

Waterhouse, J. B., 1964. *Bull. geol. Surv. N.Z.*, 35, p. 50.

Permian (Branxton Subgroup): Portion 152, Parish Branxton, County Northumberland, N.S.W.

* Possibly in Mining Museum, Sydney.

See also *Wyndhamia dalwoodensis* Booker.

Mollusca

Amphineura

Chelodes calceoloides Etheridge

Syntypes F. 46740, F. 46739.

Etheridge, R., 1897. *Rec. geol. Surv. N.S.W.*, 5 (2), p. 70, text figs a–c (F. 46740), text figs d–f (F. 46739).

Upper Silurian: Portion 1, of 635 acres, Parish Derrengullen, County King, N.S.W.

Lorica duniana Hull

Holotype F. 14956.

Hull, A. F. B., 1910. *Proc. Linn. Soc.* N.S.W., 35 (3), p. 654, pl. 17, figs 1–2.

Miocene: Base of Turritella Sandstone at foot of bluff between Wynyard and Table Cape, Tasmania.

Permochiton australianus Hull and Iredale

Holotype F. 45764.

Hull, A. F., Basset and Iredale, T., 1926. *Aust. Zool.*, 4 (5), p. 326, pl. 45.

Permian (? Berry Formation): Bundanoon, N.S.W.

Tentaculita

Tentaculites sp. No. 2, Sherrard

See *Tentaculites* cf. *bellulus* Hall

Tentaculites sp. No. 4, Sherrard

Mentioned specimen F. 31872.

Sherrard, K., 1967. *Proc. R. Soc. Vict.*, 80 (2), p. 239.

Upper Silurian: Cootamundra, N.S.W.

Tentaculites cf. *bellulus* Hall

= *Tentaculites* sp. No. 2, Sherrard.

Figured specimen F. 35664.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 160, pl. 18, figs 9–10.

Sherrard, K., 1967. *Proc. R. Soc. Vict.*, 80 (2), p. 238 (mentioned as slab with moulds of *Tentaculites* sp.).

Devonian: White Cliffs, near Wilcannia, N.S.W.

Tentaculites chapmani Sherrard

Holotype F. 43436; paratype F. 51893.

Sherrard, K., 1967. *Ibid.*, p. 234, pl. 37, fig. 1 (F. 43436); pl. 38, fig. 7 (F. 51893).

Lower Devonian: Ravine about Portion 57, Parish Selwyn, about 8 miles N.W. of Kiandra (known as Lobb's Hole), N.S.W.

Tentaculites ornatus Sowerby

Hypotypes (a) F. 15838, (b) F. 31534.

Sherrard, K., 1967. *Ibid.*, p. 236, pl. 37, fig. 2 (F. 15838).

Upper Silurian: (a) Hatton's Corner, near Yass, N.S.W., (b) Wren's Neck, Dudley, England.

Hyolithida

Hyolithes lanceolatus Morris

Hypotypes F. 35590–91.

Etheridge, R., 1889. *Proc. Linn. Soc. N.S.W.*, 4 (3), p. 753, pl. 20, figs 2–4 (F. 35590), figs 5–7 (F. 35591).

Permian (?Branxton Subgroup): New shaft of Maitland Coal Company, between West Maitland and Farley railway stations, N.S.W.

Pelecypoda

Actinopterella lamellosa Sherrard

Holotype F. 2750.

Sherrard, K. M., 1959. *Proc. Linn. Soc. N.S.W.*, 84 (3), p. 368, pl. 19, fig. 9.

Upper Silurian: Bowning, N.S.W.

Actinopterella minuta Sherrard

Holotype F. 48880—counterpart F. 29403.

Sherrard, K. M., 1959. *Ibid.*, p. 367, pl. 19 fig. 23 (F. 48880).

Upper Silurian: Hatton's Corner, near Yass, N.S.W.

Actinopteria australis Dun

Syntypes F. 35683–84.

Dun, W. S., 1896. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 168, pl. 18, fig. 14 (F. 35683), fig. 15 (F. 35684).

Lower Devonian: White Cliffs Opal-field, near Wilcannia, N.S.W.

Allorisma audax Dana

= *Vacunella curvata* (Morris)

See *Pholadomya* (*Homomya*) *audax* Dana.

Allorisma passaloides Etheridge

Holotype F. 5189.

Etheridge, R., 1917. *Rec. Aust. Mus.*, 11 (10), p. 226, pl. 40, fig. 8.

Permian (? Berry Formation): Bundanoon, N.S.W.

Ambonychia poststriata Etheridge

Holotype F. 1254.

Etheridge, R., 1891. *Ibid.*, 1 (7), p. 126, pl. 18, figs 1–2.

Lower Devonian: Cave Hill quarry, near Lilydale, Victoria.

hanaia gigantea de Koninck

Hypotype F. 10951

Waterhouse, J. B., 1958. *N.Z. Jl. geol. Geophys.* 1 (1), p. 168, fig. 1B.

Permian (Branxton Subgroup): Greta, N.S.W.

hanaia mitchelli (M'Coy)

See *Atomodesma mitchelli* (M'Coy).

tarte gemma Dana

Plastosyntypes L. 637*, L. 647*.

Dana, J. D., 1849. In United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 688, pl. 3, fig. 4 (original of L. 637), fig. 4a (original of L. 647).

Permian (Gerringong Volcanics): Wollongong Point, District of Illawarra, N.S.W.

* Syntypes in U.S. National Museum, Washington, U.S.A.

tartila (*Pachydomus*) sp. (Type A)

Figured specimens F. 52142–44.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 212, pl. 18, fig. 1 (F. 52142), fig. 2 (F. 52143), fig. 3 (F. 52144).

Permian (?Wandrawandian Siltstone): Burrier, N.S.W.

tartila sp. (Type B)

Figured specimen F. 52145.

Laseron, C. F., 1910. *Ibid.*, p. 213, pl. 18, figs 4–5.

Permian (?Wandradandian Siltstone): Burrier, N.S.W.

startila sp. (Type C).

Figured specimens F. 52146–47.

Laseron, C. F., 1910. *Ibid.*, p. 214, pl. 18, fig. 6 (F. 52146), fig. 7 (F. 52147), fig. 8 (missing).

Permian (?Wandrawandian Siltstone): Burrier, N.S.W.

startila sp. (Type D)

Figured specimen F. 52148.

Laseron, C. F., 1910. *Ibid.*, p. 215, pl. 18, figs 9–10.

Permian (?Wandrawandian Siltstone): Burrier, N.S.W.

startila centralis Fletcher

Holotype F. 1133a; paratypes F. 21120, F. 1133, F. 21140.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 73, pl. 29, fig. 4 (F. 21120), fig. 5 (F. 1133), fig. 6 (F. 21140), fig. 7 (F. 1133a).

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Astartila compressa Fletcher

Holotype F. 20907; paratypes F. 20910, F. 20925, F. 20927, F. 20935–6.

Fletcher, H. O., 1929. *Ibid.*, p. 58, pl. 28, fig. 6 (F. 20927), fig. 7 (F. 20935), fig. 8 (F. 20925), fig. 9 (F. 20936), fig. 10 (F. 20910), fig. 11 (F. 20907).

Permian (Conjola Formation): Schnapper Point, Kioloa, N.S.W.

Astartila corpulenta Dana

Plastoholotype (a) L. 635*; hypotypes (b) F. 21066, F. 21025, (c) F. 21016.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 691, pl. 3, figs 3a–c (Holotype*).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 62, pl. 26, fig. 2 (F. 21025), fig. 3 (F. 21066), fig. 4 (L. 635), fig. 5 (F. 21016).

Permian (Gerringong Volcanics): (a) Wollongong, (b) Gerringong (Conjola Formation): (c) Schnapper Point, Kioloa, N.S.W.

* Holotype in the U.S. Nat. Museum, Washington, U.S.A.

Astartila cyclas Dana

= *Astartila intrepida* Dana

Plastosyntypes (a) L. 648–9*; hypotypes F. 7859, (b) F. 21080.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 690, pl. 4, figs 3b–c. (Original of L.648).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 64, pl. 25, fig. 1 (L. 648), fig. 2 (L. 649), fig. 3 (F. 21080), fig. 4 (F. 7859).

Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 6.

Permian (Gerringong Volcanics): (a) "Illawarra" (Conjola Formation): (b) Schnapper Point Kioloa, N.S.W.

* Syntypes in U.S. Nat. Museum, Washington, U.S.A.

Astartila cyprina Dana

Plastosyntypes, L. 639*, L. 641–2*; hypotypes F. 7188, F. 21003.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 689, pl. 3, figs 6–6f (original of L. 641); figs 7 a–b (original of L. 639).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 60, pl. 28, fig. 1 (L. 641), fig. 2 (L. 642), fig. 3 (L. 639), fig. 4 (F. 7188), fig. 5 (F. 21003).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Syntypes in U.S. Nat. Museum, Washington, U.S.A.

Astartila cytherea Dana

= *Astartila* (*Astartila*) *intrepida* Dana

Plastosyntypes (a) L. 643–44*; hypotypes (b) F. 21082, (c) F. 21102, (d) F. 21124, (e) F. 4735.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10 Geology, pp. 689–90, pl. 4, figs 1a–e (syntypes).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 57, pl. 25, fig. 12 (L. 644), fig. 13 (F. 21102), fig. 14 (F. 21124), fig. 15 (F. 21082); pl. 28, fig. 1 (L. 643).

Runnegar, B., 1965. *J. Geol. Soc. Aust.,* 12 (2), p. 245, pl. 15, fig. 15 (F. 4735).

Runnegar, B. 1968. *Palaeontology,* 11 (1), p. 95, pl. 20, fig. 3 (F. 4735).

Permian (Gerringong Volcanics): (a) Wollongong, (b) Jamberoo, (c) Gerringong. (Conjola Formation): (d) Ulladulla, (e) South Coast, N.S.W.

* Syntypes in U.S. National Museum, Washington, U.S.A.

Astartila danai (de Koninck)

Hypotypes F. 22015, F. 20996, F. 21001.

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 55, pl. 25, fig. 8 (F. 20996), fig. 9 (F. 22015), fig. 10 (F. 20994), fig. 11 (F. 21001).

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Astartila delicatula Fletcher

= *Schizodus delicatula* (Fletcher).

Holotype (here designated) F. 23800; paratypes F. 23801–2.

Fletcher, H. O., 1929. *Ibid.,* p. 71, pl. 27, fig. 9 (F. 23800), fig. 10 (F. 23801), fig. 11 (F. 23802).

Runnegar, B., 1968. *Palaeontology,* 11 (1), (2), p. 246.

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Astartila intrepida Dana

Plastolectotype (a) L. 638*; hypotypes F. 2251, (b) F. 21035.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 689, pl. 3, figs 5, 5a (lectotype).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 68, pl. 26, fig 6 (L. 638), fig. 7 (F. 2251), fig. 8 (F. 21035).

Runnegar, B., 1965. *J. geol. Soc. Aust.,* 12 12 (2), p. 245.

Permian (Gerringong Volcanics): (a) Wollongong; (Conjola Formation): (b) Wyn near Ulladulla, N.S.W.

* Lectotype, No. 3594, in U.S. National Museum, Washington, U.S.A.

See also *Pachydomus ovalis* M'Coy, no Sowerby and *Astartila cyclas* Dana.

Astartila obliqua Fletcher

Holotype (a) F. 1288; paratypes (b) F. 2108 F. 16989.

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 1 (2), p. 61, pl. 25, fig. 5 (F. 1288), fig. (F. 21087), fig. 7 (F. 16989).

Permian (Gerringong Volcanics): (a) Nea Jamberoo, (b) Gerringong, N.S.W.

Astartila ovata Fletcher

Holotype F. 21126; paratypes F. 21040, F 21143, F. 21149, F. 24300.

Fletcher, H. O., 1929. *Ibid.,* p. 69, pl. 2 fig. 1 (F. 21126), fig. 2 (F. 24300), fig. (F. 21149), fig. 4 (F. 21143), fig. (F. 21040).

Permian (Wandrawandian Siltstone): Tian jarra, N.S.W.

Astartila polita Dana

Plastosyntypes (a) L. 645*, L. 646*; hypotype (b) F. 1131, (c) F. 21047.

Dana, J. D., 1849. *In* United States Explor ing Expedition during the years 1838–1842 under the command of Charle Wilkes, U.S.N., 10, Geology, p. 690, pl. 4 figs 2a–c. (Syntypes).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 65, pl. 26, fig. 9 (L. 645), fig. 10 (L. 646), fig. 11 (F. 1131), fig. 12 (F. 21047).

Permian (Gerringong Volcanics): (a) Black Head, near Gerringong, (b) Crooked River, near Kiama, (c) Jamberoo, N.S.W.

* Syntypes in U.S. National Museum, Washington, U.S.A.

Astartila pusilla (M'Coy)

Plastolectotype (a) L. 1424*; paralectotype L. 1425*; hypotypes F. 3104, (b) F. 22018, F. 22019.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.,* 20, p. 302, pl. 16, fig. 1 (paralectotype), fig. 2 (lectotype).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 72, pl. 29, fig. 8 (F. 3104), fig. 9 (L. 1424), fig. 10 (L. 1425), fig. 11 (F. 22019), fig. 12 (F. 22018).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophy,* 8 (5), p. 851.

Permian (Gerringong Volcanics): (a) Wollongong, (b) Jamberoo, N.S.W.

* Lectotype and paralectotype in Sedgwick Museum, Cambridge.

Astartila quadrata Fletcher

Holotype (a) F. 21199; paratypes F. 1130, (b) F. 22017.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 70, pl. 27, fig. 6 (F. 22017), fig. 7 (F. 21199), fig. 8 (F. 1130).

Permian (Gerringong Volcanics): (a) Gerringong, (b) Jamberoo, N.S.W.

Astartila subcarinata Fletcher

= *Schizodus subcarinata* (Fletcher)

Holotype (a) F. 21098; paratypes (b) F. 21095, (c) F. 23803.

Fletcher, H. O., 1929. *Ibid.*, p. 74, pl. 29, fig. 1 (F. 21098, fig. 2 (F. 21095), fig. 3 (F. 23803).

Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 246.

Permian (Conjola Formation): (a) Wyro, near Ulladulla, (b) north of North Head, Ulladulla, (c) locality ?, N.S.W.

Astartila subgemma Fletcher

Holotype F. 23804; paratype F. 21190, F. 23805.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 74, pl. 29, fig. 13 (F. 23804), fig. 14 (F. 21190), fig. 15 (F. 23805).

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Astartila transversa Dana

Plastosyntype (a) L. 650*; hypotypes (b) F. 21069, F. 21067, F. 21151, F. 21072.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 690, pl. 4, figs 4a–d (original of L. 650).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (2), p. 67, pl. 26, fig. 13 (F. 21067), fig. 14 (L. 650), fig. 15 (F. 21069), fig. 16 (F. 21072), fig. 17 (F. 21151).

Permian (Gerringong Volcanics): (a) Wollongong, (b) Gerringong, N.S.W.

* Syntype in U.S. National Museum, Washington, U.S.A.

Atomodesma mitchelli (M'Coy)

Plastoholotype (a) L. 1439*; hypotypes (b) F. 27115, (c) F. 48884, F. 2170.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20, p. 299, pl. 14, fig. 1 (holotype).

Dickins, J. M., 1956. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 29, pp. 23–4, pl. 4, fig. 1 (L. 1439).

Dickins, J. M., 1963. *Ibid.*, 63, p. 64, pl. 9, figs 13–15 (F. 48885), figs 16–17 (F. 2170).

Waterhouse, J. B., 1963. *Palaeontology*, 6 (4), p. 707.

Permian (Muree Formation):? Glendon; (?Branxton Subgroup): (b) between Branxton and Greta, (c) Cemetery at Maitland; Maitland district, N.S.W.

* Holotype, E. 10371, described as *Inoceramus. mitchelli* by M'Coy, in Sedgwick Museum, Cambridge.

Aucella hughendensis Etheridge

Hypotypes (a) F. 51010, (b) F. 10446, F. 10452, F. 10466, F. 10470.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11 (1), p. 16, pl. 5, fig. 6 (F. 51010), fig. 7 (mislaid).

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 321, pl. 58, (F. 10470); pl. 61, figs 7, 9 (F. 10452), figs 8, 10 (F. 10446), figs 11–12 (F. 10466).

Lower Cretaceous: (a) Base of Mount King, near Frome's Creek, northwest, N.S.W., (b) South-central Queensland.

Aucella incurva Etheridge

= *Aucellina incurva* (Etheridge)

Lectotype F. 8029a; paralectotype F. 8029b.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, (2) (1), p. 14, pl. 7, figs 22–24 (F. 8029a), fig. 25 (mislaid), figs 26–27 (F. 8029b).

Day, W. D., 1968. Aust. Nat. University (unpublished Ph.D. thesis), pl. 50, figs 1–3 (F. 8029a), figs 4–7 (F. 8029b).

Lower Cretaceous: Beach below Point Charles Lighthouse, Darwin, Northern Territory.

Avicula volgensis ? (Verneuil)

Plastohypotype L. 682.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10 Geology, p. 704, pl. 9, fig. 4.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

Aviculopecten sp.*

Figured specimens F. 35282, F. 35283.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 14, pl. 15, fig. 11 (F. 35283), fig. 12 (F. 35282).

Lower Carboniferous: Hills to the west of Mount Uriari, Parish Somerton, County Parry, N.S.W.

* Compared with *A. knockonniensis* M'Coy.

Aviculopecten sp.*

Figured specimen F. 35315.

Etheridge, R., and Dun, W. S,. 1906. *Ibid.*, p. 17, pl. 12, fig. 1.

Permian (Dalwood Group): Half mile from Lochinvar Station, N.S.W.

Aviculopecten sp.*

Figured specimen F. 35286.

Etheridge, R., and Dun, W. S., 1906. *Ibid.*, p. 20, pl. 15, fig. 10.

Lower Carboniferous: Hills to the west of Mount Uriari, Parish Somerton, County Parry, N.S.W.

* Compared with *A. granosus* de Koninck (non Sowerby).

Aviculopecten andrewsi Mitchell

= *Limipecten pincombei* (Mitchell).

Holotype F. 26463.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 470, pl. 49, figs 4–6.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten pincombei* Mitchell.

Aviculopecten argutus Mitchell

= *Limipecten flexicostatus* (Mitchell).

Holotype F. 26473.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 471, pl. 50, figs 10–11.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten flexicostatus* Mitchell.

Aviculopecten articulosus Mitchell

= *Limipecten flexicostatus* (Mitchell).

Holotype F. 26467.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 468*, pl. 51, fig. 17.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

* Not described.

See also *Aviculopecten flexicostatus* Mitchell.

Aviculopecten englehardti Etheridge and Dun

= *Streblochondria englehardti* (Etheridge and Dun).

Lectotype (a) F. 35302; paralectotypes (b) F. 35301, (c) F. 35292, (d) F. 35296, (e) F. 35294, (f) F. 35291; hypotypes (g) F. 19462, (h) F. 19476.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 17, pl. 9, fig. 6 (F. 35301), fig. 7 (F. 35292), fig. 8 (F. 35297), fig. 9 (F. 35302), fig. 10 (F. 35296), fig. 11 (F. 35294); pl. 14, figs 6–8 (F. 35291).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 14, pl. 6, fig. 2 (F. 19462), fig. 4 (F. 19476).

Campbell, K. S. W., 1953. *Pap. Dep. Geol. Univ. Qd.*, 4 (3), p. 21 (lectotype selected).

Permian (Farley Formation): (e) Farley, (f) M.P.5, Parish Heddon; (Maitland Group): (a) Wollombi Road, (d) West Maitland; (Shoalhaven Group): (b) Shoalhaven District, (c) Cabbage Tree Point, Flat Rock, near Nowra, (g) St George's Basin, (h) South Coast, N.S.W.

Aviculopecten extensus Fletcher

Holotype F. 19143; paratype F. 19144.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 6, pl. 1, fig. 1 (F. 19144), figs 2–3 (F. 19143).

Permian (Shoalhaven Group): Coast-line between St George's Basin and Ulladulla, N.S.W.

Aviculopecten flexicostatus Mitchell

= *Limipecten flexicostatus* (Mitchell)

Lectotype F. 26462; paralectotypes F. 26475, F. 26474, F. 26460–61.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 472, pl. 51, fig. 13 (F. 26460), fig. 14 (F. 26460), fig. 15 (F. 26462), fig. 16 (F. 26475); pl. 52, fig. 21 (F. 26474), fig. 22 (F. 26461).

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten pyriformis* Mitchell, *A. sparteus* Mitchell, *A. perobliquatus* Mitchell, *A. argutus* Mitchell, and *A. articulosus* Mitchell.

Aviculopecten fusiformis Mitchell

= *Limipecten* ? *flexicostatus* (Mitchell)

Holotype F. 26465.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 469, pl. 49, fig. 2.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468*.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

* Campbell considers this specimen may be a laterally distorted *Limipecten flexicostatus* (Mitchell).

Aviculopecten gracilis Fletcher*

Holotype (a) F. 19166; paratypes F. 19629, (b) F. 20170**, (c) F. 19419–20.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 11, pl. 4, fig. 1 (F. 19166), fig. 2 (F. 19629), fig. 3 (F. 19419), fig. 4 (F. 19420), fig. 5 (F. 19419).

Permian (Wandrawandian Siltstone); (b) Wandrawandian; (Conjola Formation): (a) North Head, Ulladulla; (c) Wyro, near Ulladulla, N.S.W.

* Homonym of Yanischewsky, 1900.

** Specimen originally figured by Laseron, C. F., as *Aviculopecten media* Laseron.

Aviculopecten cf. *granosus de Koninck* (non Sowerby)

See *Aviculopecten* sp.

Aviculopecten cf. *knockonniensis* M'Coy

See *Aviculopecten* sp.

Aviculopecten leggei Mitchell*

Holotype F. 26471.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 468, pl. 49, fig. 1; pl. 50, fig. 12.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series); Brambles Farm, Parish Eurenderee, County Gloucester, N.S.W.

* Species represented by single poorly preserved specimen.

Aviculopecten media Laseron
= *Deltopecten media* (Laseron)

Syntypes (a) F. 20169, F. 20170*; hypotypes (b) F. 19504; (c) F. 19618, (d) F. 19147, (e) F. 24054.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 203, pl. 15, fig. 1 (F. 20169), figs 2–4 (F. 20170).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 17, pl. 7, fig. 1 (mislaid), fig. 2 (F. 19168), fig. 3 (F. 20169), fig. 4 (F. 19147), fig. 5 (F. 19504).

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 41, pl. 7, figs 6–7 (F. 24054).

Permian (Shoalhaven Group): (a) Burrier, (b) Warden Head, Ulladulla, (c) Wyro, near Ulladulla, (d) coastline between St George's Basin and Ulladulla, (e) Berarra, N.S.W.

* This specimen referred to *Aviculopecten gracilis* by Fletcher, 1929.

Aviculopecten mitchelli Etheridge and Dun
= *Deltopecten mitchelli* (Etheridge and Dun).

Syntypes (a) F. 35309, F. 35333, F. 35308, F. 26435, (b) F. 35312, (c) F. 35334, (d) F. 35313–14, F. 35311.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5, (2), p. 11, pl. 1, figs 1–2 (F. 35309), fig. 3 (F. 35333); pl. 2, fig. 1 (F. 35312); pl. 10, fig. 5 (F. 35313); pl. 12, fig. 5 (F. 35334); pl. 13, fig. 3 (F. 35308); pl. 16, fig. 2 (F. 35311), fig. 3 (F. 35314).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 15, mentioned (F. 35333).

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys., Aust.*, 41, p. 40, text fig. 8 and pl. 7, fig. 8 (F. 26435); pl. 8, fig. 10 (F. 35333).

Permian (Allandale Formation): (a) Allandale), (b) Harper's Hill; (? Muree Formation): (c) West Maitland; (Lochinvar Formation): (d) Portion 217, Parish Pokolbin, N.S.W.

Aviculopecten multicostatus Fletcher
= *Deltopecten multicostatus* (Fletcher)

Holotype F. 19097; paratypes F. 19377, F. 19513.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 8, pl. 2, fig. 1 (F. 19097), fig. 2 F. 19513), fig. 3 (F. 19377).

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 41.

Permian (Shoalhaven Group): Coastline betwen St George's Basin and Ulladulla, N.S.W.

Aviculopecten parkesi Fletcher
= *Streblochondria parkesi* (Fletcher)

Holotype F. 19567—counterpart F. 19566; paratypes F. 19472, F. 19494.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 13, pl. 5, fig. 1 (F. 19472), fig. 2 F. 19567), fig. 3 (F. 19494).

Campbell, K. S. W., 1953. *Pap. Dep. Geol. Univ. Qd*, 4 (3), p. 20.

Permian (Conjola Formation): Wyro, near Ulladulla, N.S.W.

Aviculopecten perobliquatus Mitchell
= *Limipecten flexicostatus* (Mitchell)

Holotype F. 26469.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 471, pl. 50, figs 8–9.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten flexicostatus* Mitchell.

Aviculopecten ptychotis (M'Coy)
= ? *Streblochondria ptychotis* (M'Coy)

Plastosyntype (a) L. 1434; hypotypes (b) F. 35277, F. 35279, (c) F. 35278.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20, p. 298, pl. 14, fig. 2 (original of L. 1434).

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 19, pl. 15, fig. 5 (F. 35278), fig. 6 (F. 35277), fig. 7 (F. 35279).

Carboniferous: (a) Dunvegan, (b) near Gresford, N.S.W., (c) near Mount Morgan, Queensland.

Aviculopecten profundus de Koninck

Hypotypes (a) F. 35542, (b) F. 35307.

Etheridge, R., and Dun, W. S., 1906. *Ibid.*, p. 9, pl. 11, fig. 4 (F. 35542), fig. 5 (F. 35307).

Permian (Farley Formation): (a) Ravensfield, (b) Rutherford quarry, near Farley, N.S.W.

Aviculopecten pyriformis Mitchell

= *Limipecten flexicostatus* (Mitchell)

Holotype F. 26455.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 469, pl. 49, fig. 3.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten flexicostatus* Mitchell.

Aviculopecten pincombei Mitchell

= *Limipecten pincombei* (Mitchell)

Lectotype F. 26457; paralectotype F. 26468.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 472, pl. 51, fig. 18 (missing); pl. 52, fig. 19 (F. 26457), fig. 20 (F. 26468).

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carnobiferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

See also *Aviculopecten andrewsi* Mitchell.

Aviculopecten plicatilis Mitchell*

Holotype F. 26766.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 473, pl. 52, fig. 25.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

* Species based on a single juvenile specimen.

Aviculopecten ponderosus Etheridge and Dun

Syntypes F. 35344–45.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 10, pl. 5 (F. 35345); pl. 12, fig. 4 (F. 35344).

Permian (Maitland Group): Portion 97, Parish Millfield, County Northumberland, N.S.W.

Aviculopecten sparteus Mitchell

= *Limipecten flexicostatus* (Mitchell)

Holotype F. 26470.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 470, pl. 50, fig. 7; pl. 52, fig. 23.

Campbell, K. S. W., 1961. *Palaeontology*, 4 (3), p. 468.

Carboniferous (Kuttung Series): Bramble's Farm, Parish Eurenderee, County Gloucester, N.S.W.

Aviculopecten sprenti Johnston

= *Aviculopecten tenuicollis* (Dana)

Hypotypes (a) F. 35325, F. 6593, (b) F. 35327, (c) F. 19540, F. 19491, (d) F. 19411–12, (e) F. 19585.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 15, pl. 2, fig. 6 (F. 35325), fig. 7 (F. 35327); pl. 13, fig. 1 (mislaid), fig. 9 (F. 6593); pl. 16, figs 5–6 (mislaid).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 9, text fig. 1 (F. 19491); pl. 3, fig. 1 (F. 19540), fig. 2 (mislaid), figs 3–4 (F. 19491), fig. 5 (F. 19412), fig. 6 (F. 19595), fig. 7 (mislaid), fig. 8 (F. 19411).

Dickins, J. M., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 63, p. 82.

Permian (Farley Formation): (a) Farley (Lochinvar Formation); (b) Lochinvar; (Gerringong Volcanics): (c) Gerringong; (? Nowra Sandstone): (d) St George's Basin; (Conjola Formation): Ulladulla, N.S.W.

Aviculopecten squamuliferus (Morris)

= *Deltopecten squamuliferus* (Morris)

Hypotypes (a) F. 35318, (b) F. 35306, F. 35298, (c) F. 116.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 8, pl. 1, fig. 4 (F. 35318); pl. 2, fig. 4 (F. 35306), fig. 5 (F. 35298); pl. 8, fig. 4 (F. 116).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 4*.

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 41.

Permian (Farley Formation): (a) Farley, (b) Ravensfield, N.S.W. (? Formation): (c) Huon Road, Tasmania.

* Reference to *A. largis* on p. 5 should have been omitted.

Aviculopecten subquinquelineatus (M'Coy)

See *Deltopecten subquinquelineatus* (M'Coy)

Aviculopecten tenuicollis (Dana)

Plastoholotype (a) L. 685*; hypotypes (b) F. 35299, (c) F. 35300, F. 35303.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 705, pl. 9, figs 7, 7a (holotype).

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 13, pl. 13, fig. 10 (F. 35303), fig. 11 (F. 35299), fig. 12 (F. 35300); pl. 14, fig. 5 (F. 35300).

Dickins, J. M., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 63, p. 82.

Permian (Allandale Formation): (a) Harper's Hill; (Farley Formation): (b) Ravensfield, (c) Farley, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

See also *Aviculopecten sprenti* Johnston.

Aviculopecten tessellatus (Phillips)

= *Girtypecten tessellatus* (Phillips)

Hypotypes F. 35280–1.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 21, pl. 15, fig. 8 (F. 35281), fig. 9 (F. 35280).

Newell, N. D., 1937. *Rep. Kansas Univ. geol. Surv.*, 10, p. 114.

Carboniferous: Torryburn Station, 12 miles from Paterson, N.S.W.

Burrier dunii Laseron

Syntypes F. 20175a, b.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 211, pl. 17, fig. 1 (F. 20175a), figs 1–3 (F. 20175b).

Permian (? Wandrawandian Siltstone): Burrier, N.S.W.

Cardinia? costata Morris

See *Stutchburia costata* (Morris).

Cardinia? cuneata Dana*

Plastosyntypes L. 653**, L. 654**; hypotypes F. 7831, F. 7183, F. 7193.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 692, pl. 4, figs. 6c–d (original of L. 653), figs 6a, b, e (original of L. 654).

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 191, pl. 30, fig. 3 (L. 653), fig. 4 (F. 7193), fig. 5 (F. 7831), fig. 6 (F. 7183).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

** Syntypes in U.S. National Museum, Washington, U.S.A.

* Referred provisionally to *Stutchburia* by Etheridge, 1919.

Cardinia ? *exilis* M'Coy

Plastoholotype L. 1428*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20, p. 303, pl. 15, fig. 1.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Holotype in Sedgwick Museum, Cambridge.

Cardinia recta Dana

= *Stutchburia recta* (Dana).

Plastosyntype L. 651.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 691, pl. 4, fig. 5 (original of L. 651).

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 189, pl. 30, fig. 7 (L. 651).

Permian (Gerringong Volcanics): Illawarra, N.S.W.

Syntype in U.S. National Museum, Washington, U.S.A.

Cardiomorpha gryphoides de Koninck

See *Megadesmus* (*Megadesmus*) *gryphoides* (de Koninck).

Chaenomya ? *etheridgei* de Koninck.

Plastotype L. 525*.

Etheridge, R., 1894. *Proc. Linn. Soc. N.S.W.*, 9 (3), p. 532, pl. 50, fig. 5 (Original of L. 525).

Permian. Woodleigh Creek, 1¾ miles above Bent's Farm, Queensland.

* Original specimen in Geological Survey of Queensland collection.

Clarkia myiformis (Dana).

See *Pyramus myiformis* Dana.

Cleobis gracilis Dana

See *Megadesmus* (*Cleobis*) *gracilis* (Dana).

Cleobis grandis Dana

See *Megadesmus* (*Cleobis*) *grandis* (*Dana*).

Cleobis robusta Laseron

= *Megadesmus* (*Cleobis*) *grandis* (Dana)

Holotype F. 20167.

Laseron, C. F., 1910. *J. Proc, R. Soc. N.S.W.*, 44 (2), p. 208, pl. 16.

Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), pp. 242–3.

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 851.

Permian (? Wandrawandian Siltstone): Burrier, N.S.W.

Conocardium sp. indet

Mentioned specimen F. 40893.

Fletcher, H. O., 1943. *Rec. Aust. Mus.*, 21 (4), p. 233.

Lower Carboniferous: Clarencetown, N.S.W.

Conocardium sp. indet

Mentioned specimen F. 40892.

Fletcher, H. O., 1943. *Ibid.*, p. 232.

? Lower Middle Devonian: Tarago, N.S.W.

Conocardium abscissum Fletcher

Holotype F. 39761.

Fletcher, H. O., 1943. *Ibid.*, p. 237, pl. 13, fig. 10.

? Middle Devonian: Near Lake Bathurst Railway Station, 20 miles south of Goulburn, N.S.W.

Conocardium australe Etheridge (non M'Coy)

= *Conocardium robustum* Fletcher

Specimen mislaid.*

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, 7 (2), p. 68, pl. 18, figs 8–9.

Fletcher, H. O., 1943. *Rec. Aust. Mus.*, 21 (4), p. 241.

Permian (? Capertee Group): Hartley, N.S.W.

* Possibly in Mining Museum, Sydney.

Conocardium australe (McCoy)

Plastoholotype (a) L. 1431*; hypotypes (b) F. 40897, (c) F. 38530, (d) F. 29924.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20, p. 300, pl. 16, fig. 4 (holotype).

Fletcher, H. O., 1943. *Rec. Aust. Mus.*, 21 (4), p. 239, pl. 14, fig. 1 (F. 40897), fig. 8 (F. 29924), fig. 9 (L. 1431).

Permian (Lochinvar Formation): (d) Pokolbin; (Maitland Group): (b) Buchanan, (c) Por. 114, Parish Balmoral, 1½ miles SSW. from Grasstree Railway Station, near Muswellbrook; (Gerringong Volcanics): (a) Wollongong, N.S.W.

* Holotype, originally referred to genus *Pleurorhynchus* by M'Coy, 1847; in Sedgwick Museum, Cambridge.

Conocardium davidis Dun

Lectotype F. 40820; paralectotype F. 40821.

Dun, W. S., 1907. *Rec. geol. Surv. N.S.W.*, 8 (3), p. 268, pl. 11, figs 6, 6a (F. 40820).

Fletcher, H. O., 1943. *Rec. Aust. Mus.*, 21 (4), p. 235, pl. 13, fig. 5 (F. 40820), fig. 6 (F. 40821).

Upper Silurian: Oakey Creek, Parish Barton, County Ashburnham, N.S.W.

Conocardium laseroni Fletcher

Holotype F. 30160.

Fletcher, H. O., 1943. *Ibid.*, p. 237, pl. 13, figs 11–12 (L. 1888*), fig. 13 (F. 30160).

?Middle Devonian: Near Lake Bathurst Railway Station, 20 miles south of Goulburn, N.S.W.

* Rubber cast from holotype.

Concardium mundulum Fletcher

Holotype F. 30189.

Fletcher, H. O., 1943. *Ibid.*, p. 235, pl. 13, figs 7–9.

?Middle Devonian: Near Lake Bathurst Railway Station, 20 miles south of Goulburn, N.S.W.

Conocardium robustum Fletcher

Holotype (a) F. 40916; paratypes F. 17750, (b) F. 21928.

Fletcher, H. O., 1943. *Ibid.*, p. 241, pl. 14, figs 2–4 (F. 17750), figs 5–7 (F. 40916), fig. 10 (F. 21928).

Permian (Gerringong Volcanics): Gerringong; (Conjola Formation): Wyro, near Ulladulla, N.S.W.

See also *Conocardium australe* Etheridge (non M'Coy).

Conocardium sowerbyi de Koninck

Neotype F. 40891.

Fletcher, H. O., 1943. *Ibid.*, p. 236, pl. 13, figs 17–18.

?Middle Devonian: Tarago, near Lake Bathurst, N.S.W.

Conocardium truncatum Fletcher*

Holotype F. 37827.

Fletcher, H. O., 1943. *Ibid.*, p. 241, pl. 14, fig. 11.

Permian (Macleay Group): "Colraine", Kimbriki, Manning River, N.S.W.

* Homonym of *C. truncatum* de Koninck 1885 and of *C. truncatum* Pohl 1929.

Corimya ? primula (Hudleston)

Hypotype F. 51008.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11, p. 38, pl. 3, fig. 8 (mislaid*), fig. 9 (F. 51008).

Lower Cretaceous: Mount Brown district, near Milparinka, N.S.W.

* Possibly in Mining Museum, Sydney.

Ctenodonta sp.

Figured specimen F. 46132.

Etheridge, R., 1894. *Ann. Rept. Govt Geol. S. Aust.*, p. 241, pl. 3, figs 6–7 (missing), fig. 8 (F. 46132).

Ordovician: Macdonnell Ranges, Northern Territory.

Ctenostreon pectiniformis Schlotheim

Hypotype F. 4547.

Etheridge, R., 1901. *Rec. Aust. Mus.*, 4 (1), p. 14, pl. 3, figs 1–2.

Jurassic: Hills on Cue Railway, 13¼ miles northeast of Geraldton, W.A.

Cypricardia acutifrons Dana

= *Merismopteria acutifrons* (Dana)

Plastoholotype L. 676*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 702, pl. 8, figs 4a–b.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), pp. 190 and 192.

Permian (Gerringong Volcanics): Illawarra, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cypricardia arcodes Dana

= *Merismopteria arcodes* (Dana)

Plastoholotype L. 677*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 702, pl. 8, figs 8a–b.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 192.

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cypricardia imbricata Dana

= *Merismopteria imbricata* (Dana)

Plastoholotype L. 680*.

Dana, J. D., 1899. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 702, pl 8, fig. 5.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), pp. 191 and 193.

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cypricardia praerupta (Dana)

= ? *Stutchburia praerupta* (Dana)

Plastoholotype L. 678*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 703, pl. 8, fig. 10 (holotype).

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 190.

Permian (Gerringong Volcanics): Illawarra, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cypricardia simplex Dana

= *Stutchburia simplex* (Dana)

Plastoholotype L. 681*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 703, pl. 9, fig. 2 (holotype).

Etheridge, R., 1900. *Rec. Aust. Mus.*, 3 (7), p. 182.

Permian (Gerringong Volcanics): Illawarra, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cypricardia sinuosa Dana

See *Pyramus axina* (Dana)

Cypricardia veneris Dana

= ? *Stuchburia veneris* Dana

Hypotype F. 8137.

Etheridge , R., 1919. *Ibid.*, 12 (9), p. 191, pl. 30, fig. 8.

Permian (Gerringong Volcanics,: Wollongong, N.S.W.

Cypricardinia ? *gregarius* (Etheridge)

See *Pleurophorus gregarius* Etheridge

Cyrtodonta lissa Sherrard

Holotype (a) F. 48882; paratype (b) F. 49138.

Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W.*, 84 (3), p. 369, pl. 19, fig. 29 (F. 48882), figs 31–32 (F. 49138).

Upper Silurian: (a) Spring Range Road, Ginninderra; (b) Forest Creek, Boambola, N.S.W.

Cytheria (?) *moorei* Etheridge

Figured specimens F. 10327, F. 10328, F. 10681.

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 326, pl. 62, fig. 1 (F. 10328), fig. 2 (F. 10327), fig. 3 (F. 10681).

Lower Cretaceous: South Central Queensland.

Deltopecten sp.

Figured specimen F. 19428.

Fletcher, H. O., 1929. *Ibid.*, 17 (1), p. 29, pl. 6, fig. 3*.

Permian (Wandrawandian Siltstone): Tianjarra, Wandrawandian Creek, N.S.W.

* Listed in error as pl. 6. fig. 4.

Deltopecten clarkei Fletcher

Holotype F. 19526; paratype F. 19524, mentioned F. 10861*.

Fletcher, H. O., 1929. *Ibid.* p. 28, pl. 14, fig. 1 (F. 19526), fig. 2 and text fig. 6 (F. 19524).

Permian (Shoalhaven Group): Sussex Inlet, N.S.W.

* Specimen from Nowra, N.S.W.—see *D. limaeformis* (Morris).

Deltopecten comptus (Dana)* non M'Coy.

Plastoholotype (a) L. 683**; hypotype (b) F. 19427.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 704, pl. 9, fig. 5 (original of L. 683).

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 23, pl. 13, fig. 1 (F. 19427), fig. 2 (F. 19523, mislaid), fig. 3 (L. 683), fig. 4 (F. 19427.

Permian (Allandale Formation): (a) Harper's Hill; (Wandrawandian Siltstone): (b) Tianjarra, Wandrawandian Creek, N.S.W.

* Described by Dana, J. D., 1847. *Am. J. Sci.*, 54, p. 160, as *Pecten comptus*, reintroduced in error as it is a homonym of *Pecten comptus* M'Coy, 1844.

** Holotype in U.S. National Museum, Washington, U.S.A.

Deltopecten depressus Fletcher

Holotype F. 19552; paratypes F. 19098, F. 19193, F. 19485.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 18, pl. 9, fig. 1 (F. 19098), fig. 2 (F. 19552); pl. 10, fig. 1 (F. 19193), fig. 2 (F. 19485).

Permian (Conjola Formation): Kioloa, near Ulladulla, N.S.W.

Deltopecten farleyensis Etheridge and Dun.

Syntypes (a) F. 35339, (b) F. 35341, (c) F. 35340, (d) F. 35354, (e) F. 35348; hypotype (f) F. 16895.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 29, pl. 6, fig. 2 (F. 35354*; pl. 13, fig. 4 (F. 35341), fig. 5 (F. 35340*, fig. 6 (F. 35339); pl. 16, fig. 4 (F. 35348).*

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 25, pl. 6, fig. 1 (F. 16895).

Permian (Farley Formation): (a) Ravensfield, (b) Farley; (Lochinvar Formation): (e) Pokolbin; (Drake Group): (c) near Golden Age Mine, Boorook, (d) New England, probably near Drake; (Gerringong Volcanics): (f) Jamberoo, N.S.W.

* Specimens referred by Fletcher, 1929, p. 25, to *Deltopecten leniusculus* (Dana).

Deltopecten fittoni (Morris)

Hypotypes (a) F. 35316, (b) F. 35284, (c) F. 35337, (d) F. 35285, (e) F. 35346, **(f) F. 19146,** F. 19348, mentioned (g) F. 46476.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 30, pl. 8, fig. 1 (F. 35337), fig. 2 (F. 35285), fig. 3 (F. 35284); pl. 10, fig. 6 (F. 35346); pl. 16, fig. 1 (F. 35316).

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 204 mentioned F. 46476.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 18, pl. 8, fig. 1 (F. 19438), fig. 2 (F. 19146).

Permian (Farley Formation): (a) Ravensfield; (Branxton Subgroup): (b) Maitland, (d) (Dagworth; (Shoalhaven Group): (e) Illawarra, (c) Dapto, (g) Burrier, (f) coastline between St George's Basin and Ulladulla, N.S.W.

Deltopecten cf. *giganteus* (Chao)

Figured specimen F. 19541.

Fletcher, H. O., 1929. *Ibid.*, p. 20, pl. 11, figs 1–2.

Permian (Conjola Formation): Kioloa, near Ulladulla, N.S.W.

Deltopecten illawarrensis (Dana), non Morris

Plastohypotype (a) L. 687.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 705, pl. 9, figs 9, 9a (original of L. 687).

Permian (Allandale Formation): Harper's Hill, N.S.W.

Original specimen, described as *Pecten illawarrensis* Morris, in U.S. National Museum, Washington, U.S.A.

Deltopecten illawarrensis (Morris)

Hypotypes F. 35332, F. 50984.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 24, pl. 2, fig. 2 (F. 35332), fig. 3 (F. 50984).

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 40, pl. 8, fig. 9 (F. 35332).

Permian (Allandale Formation): Allandale, N.S.W.

Deltopecten lata Fletcher

Holotype (a) F. 19624; paratypes (b) F. 19514–5.

Fletcher, H. O., 1929. *Rec. Aust. Mus.*, 17 (1), p. 32, pl. 5, fig. 4 (F. 19624), fig. 5 (F. 19514).

Permian (Branxton Subgroup): (a) Maitland; (Conjola Formation): (b) North Head, Ulladulla, N.S.W.

Deltopecten leniusculus (Dana)

Plastoholotype (a) L. 684; hypotypes (b) F. 19605, F. 19634, F. 35349, F. 19407, (c) F. 35329–30, F. 35319, F. 3127, (d) F. 35317, (e) F. 35363, (f) F. 19415, F. 19548.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 704, pl. 9, figs 6a–b (holotype).

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5 (2), p. 28, pl. 3, fig. 1 (F. 35349); pl. 4 (F. 35329); pl. 6, fig. 1 (F. 35317); pl. 7, fig. 1 (F. 35363), fig. 2 (F. 35330); pl. 10, figs 1–2 (F. 35319); pl. 11, fig. 3 (F. 3127).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (1), p. 22, pl. 12, fig. 1 (F. 19407), fig. 2 (F. 19415), fig. 3 (F. 19634), fig. 4 (F. 19548), fig. 5 (F. 19605).

Permian (Gerringong Volcanics): (a) Illawarra, (b) Gerringong; (Muree Formation): (c) near Dee's Hotel, West Maitland; ? (Mulbring Formation): (d) Mt Vincent; (Nowra Sandstone): (e) Nowra; (Conjola Formation): (f) North Head, Ulladulla, N.S.W.

Holotype, described by Dana as *Pecten leniusculus,* in U.S. National Museum, Washington, U.S.A.

See also *Deltopecten rienitsi* Mitchell.

Deltopecten limaeformis (Morris)

Hypotypes (a) F. 35293, (b) (F. 17498, F. 10861*, F. 10689, (c) F. 10866.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5 (2), p. 22, pl. 10, fig. 3 (F. 10861), fig. 4 (F. 35293); pl. 11, figs 1–2 (F. 17498).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (1), p. 27, text fig. 5 (F. 10689), mentioned F. 10866, F. 17498.

Permian (Farley Formation): (a) Ravensfield, N.S.W.; (Granton Formation): (b) Maria Island, Tasmania; (? Nowra Formation): (c) Bomaderry, near Nowra, N.S.W.

* Specimen (F. 10861) referred by Fletcher, 1929, to *Deltopecten clarkei.*

Deltopecten media (Laseron)

See *Aviculopecten media* Laseron

Deltopecten mitchelli (Etheridge and Dun)

See *Aviculopecten mitchelli* Etheridge and Dun

Deltopecten obliquatus Etheridge and Dun

Holotype F. 35289.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5 (2), p. 32, pl. 13, fig. 7.

Permian (? Formation): Porter's Bay, Tasmania.

Deltopecten rienitsi Mitchell

= ? *Deltopecten leniusculus* (Dana)

Holotype F. 26972.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.,* 52 (2), p. 104, pl. 2, figs 1–2.

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (1), p. 22.

Permian (Gerringong Volcanics): ? Gerringong, N.S.W.

Deltopecten subquinquelineatus (M'Coy)

= *Aviculopecten subquinquelineatus* (M'Coy)

Plastoholotype (a) L. 1435*; hypotypes (b) F. 14233, (c) F. 35305, (d) F. 35326, (e) F. 35287, (f) F. 35288, (g) F. 35372, (h) F. 27095, (i) F. 19522, (j) F. 19449, F. 19387.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.,* 20, p. 298, pl. 17, fig. 1 (holotype).

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5 (2), p. 26, pl. 3, fig. 2 (F. 35288); pl. 9, fig. 1 (F. 35287), fig. 2 (F. 35305), figs 3–4 (F. 14233), fig. 5 (F. 35372); pl. 12, figs 2–3 (F. 27095); pl. 13, fig. 2 (?), fig. 8 (F. 35326); pl. 14, fig. 1 (F. 27095).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (1), p. 30, pl. 15, figs 1, 4 (F. 19387), fig. 2 (F. 19522), fig. 3 (F. 19449).

Campbell, K. S. W., 1952. *Pap. Dep. Geol. Univ. Qd,* 3 (15), p. 31.

Permian (Allandale Formation): (a) Harper's Hill; (Farley Formation): (e) Rutherford's quarry, West Maitland, (g) Farley; (Lochinvar Formation): (f) Lochvar; (? Muree Formation): (d) West Maitland; (Gerringong Volcanics): (c) Dapto; (Shoalhaven Group): (j) Conjola, (h) Gerringong, (i) Tullawalla Point, St. George's Basin, N.S.W.; (Mingenew Formation): (b) Mingenew, West. Australia.

* Holotype described as *Pecten subquinquelineatus* by M'Coy, 1847, in Sedgwick Museum, Cambridge.

Deltopecten subquinquelineatus var. *delicatula* Fletcher

Holotype (a) F. 19486; paratypes F. 19092, (b) F. 19023*.

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (1), p. 31, pl. 16, fig. 1 (F. 19486), fig. 2 (F. 19092), fig. 3 (F. 19023).

Permian (Conjola Formation): (a) Ulladulla; (Wandrawandian Siltstone): (b) Wandrawandian Creek, N.S.W.

* Listed in error as F. 19024.

Deltopecten wingenensis Etheridge and Dun

Syntypes F. 35290, F. 35304.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5, 2 (1), p. 31, pl. 14, fig. 2 (F. 35304), figs 3–4 (F. 35290).

Permian (Bickham Formation): Portion 110, Parish Wingen, County Brisbane, N.S.W.

Diaphragmella merismopteroides Etheridge

Holotype F. 5191.

Etheridge, R., 1918. *Rec. Aust. Mus.*, 11 (10), p. 222, pl. 40, figs 1–2.

Permian (? Berry Formation): Bundanoon, N.S.W.

Edmondia nobilissima de Koninck

See *Megadesmus* (*Megadesmus*) *nobilissimus* (de Koninck)

Entolium aviculatum (Swallow)?

= *Pernopecten aviculatum* (Swallow)

Hypotypes (a) F. 50983, (b) F. 35366–68.

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.*, Pal. 5, 2 (1), p. 36, pl. 15, fig. 1 (F. 35368), fig. 2 (F. 35367), fig. 3 (F. 35366), fig. 4 (F. 50983).

Newell, D., 1937. *Rep. Kans. Univ. geol. Surv.*, 10, p. 115.

Lower Carboniferous: (a) West of Mt Uriari, Somerton, (b) Somerton, N.S.W.

Eurydesma cordatum Morris

Plastohypotype (a) L. 676*; hypotypes F. 14755, F. 14650, F. 35425, F. 7247, F. 45, (b) F. 44018, F. 3049, F. 35426, (c) F. 10129, (d) F. 35423–4.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 700, pl. 8, figs 1, 1a (original of L. 676).

Etheridge, R., and Dun, W. S., 1910. *Mem. geol. Surv. N.S.W.*, Pal. 5, 2 (2), p. 71, pl. 17, figs 1–2, pl. 18, fig. 1 (F. 7247); pl. 19, fig. 3 (F. 44018), fig. 4 (F. 3049), fig. 5 (F. 14755); pl. 20, figs 2–3 (F. 35426), fig. 4 (F. 3049), fig. 5 (F. 14650); pl. 21, fig. 1 (F. 10129); pl. 22, fig. 3 (F. 45), figs 4–5 (mislaid); pl. 23, fig. 1 (F. 35423), fig. 2 (F. 35424), figs 3–4 (L. 673**); pl. 25, fig. 3 (F. 35425); pl. 26, fig. 4 (F. 14650).

Permian (Allandale Formation): (a) Allandale, (b) Harper's Hill, (c) Mount View, Cessnock; (Ferntree Group): (d) Maria Island, Tasmania.

* Original specimen in U.S. National Museum, Washington, U.S.A.

** Plastoholotype of *Eurydesma globosa* Dana.

See also *Eurydesma elliptica* Dana and *E. globosa* Dana.

Eurydesma cordatum var. *ovale* Etheridge and Dun

Syntypes (a) F. 35420, F. 35418, (b) F. 35690.

Etheridge, R., and Dun, W. S., 1910. *Ibid.*, p. 74, pl. 21, fig. 4 (F. 35420), fig. 5 and pl. 25, fig. 2 (F. 35418); pl. 25, fig. 1 (F. 35690).

Permian (Farley Formation): (a) Ravensworth Quarry, near West Maitland, (b) Ravensfield, near Farley, N.S.W.

Eurydesma cordatum Morris, var *sacculum* Dana

Plastoholotype (a) L. 674*; hypotypes (b) F. 6837, F. 7242, F. 7249.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 700, pl. 7, figs 8a–b (holotype).

Etheridge, R., and Dun, W. S., 1910. *Mem. geol. Surv. N.S.W.*, Pal. 5, 2 (2), p. 74, pl. 19, figs 1–2 (F. 6837); pl. 20, fig. 1 (F. 7242); pl. 24, figs 1–2 (F. 7249).

Permian (Allandale Formation): (a) Harper's Hill, (b) Allandale, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Eurydesma elliptica Dana

= *Eurydesma cordatum* Morris

Plastoholotype L. 672*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 700, pl. 7 figs 6a–d (holotype).

Etheridge, R., and Dun, W. S., 1910. *Mem. geol. Surv. N.S.W.*, Pal. 5, 2 (2), p. 71.

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Eurydesma globosa Dana

= *Eurydesma cordatum* Morris

Plastoholotype L. 673*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 700, pl. 7, figs 7, 7a (holotype).

Etheridge, R., and Dun, W. S., 1910. *Mem. geol. Surv. N.S.W.*, Pal. 5, 2 (2), p. 71, pl. 23, figs 3–4 (L. 673).

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Eurydesma hobartense (Johnston)

Hypotypes F. 14659, F. 14778, F. 14656–7, F. 109.

Etheridge, R., and Dun, W. S., 1910. *Ibid.*, p. 75, pl. 18, fig. 2 (F. 109), fig. 3 (F. 14657); pl. 20, fig. 6 (F. 14656); pl. 21, fig. 2 (F. 14659), fig. 3 (F. 14778); pl. 22, fig. 1 (F. 14657), fig. 2 (F. 14656a); pl. 23, fig. 5 (F. 14656); pl. 24, fig. 3 (F. 109); pl. 25, figs 4–5 (F. 14778).

Permian (Ferntree Group): Maria Island, Tasmania.

Globicarina sp.
Figured specimen F. 53.
Waterhouse, J. B. *Bull, geol. Surv. N.Z.* (in press), pl. 15, figs 1, 5–7; text figs 24–25.
Permian (Farley Formation): Farley, N.S.W.

Globicarina grossula Waterhouse
= ? *Megadesmus* (*Cleobis*) *grandis* Dana
Holotype F. 21750.
Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 374, text figs 4–5.
Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust. Bull.,* 96, p. 45.
Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 13, fig. 1; pl. 14, fig. 1; text figs 22–23.
Permian (Shoalhaven Group?): South Coast, N.S.W.

Glyptodesma (?) *bundanoonensis* Etheridge
Syntypes F. 5186a, b.
Etheridge, R., 1917. *Rec. Aust. Mus.,* 11 (10), p. 223, pl. 40, fig. 4 (F. 5186a), fig. 5 (F. 5186b).
Permian (Berry Formation?): Bundanoon, N.S.W.

Glyptoleda glomerata Fletcher
Holotype F. 41405.
Fletcher, H. O., 1945. *Ibid.,* 21 (6), p. 300, pl. 20, figs 1–3.
Permian (Ingelara Shale): 2.19 miles north, 265° east of Ingelara Station, Springsure district, Queensland.

Glyptoleda reidi Fletcher
Holotype (a) F. 41404; paratypes (b) F. 51256*, (c) F. 36431.
Fletcher, H. O., 1945. *Ibid.,* p. 299, pl. 19, figs 1–3 (F. 41404), figs 4–5 (F. 51256), fig. 6 (F. 36431).
Permian (Ingelara Shale): (a) 2.19 miles north, 265° east of Ingelara Station, Springsure district; (b) Ingelara, Carnarvon Creek, near Springsure; (Condamine Formation): (c) Silverwood, Queensland.
* Original number 265.

Grammatodon (?) *daintreei* Etheridge
Holotype F. 10453, F. 13708 (parts of single specimen).
Etheridge, R., 1907. *Ibid.,* 6 (5), p. 322, pl. 60, fig. 7 (F. 10453), fig. 8 (F. 13708).
Lower Cretaceous: South-Central Queensland.

Grammysia sp. indet.
Figured specimen F. 35668.
Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.,* 5 (4), p. 171, pl. 18, fig. 1.
Devonian: White Cliffs, near Wilcannia, N.S.W.

Grammysia ampla Sherrard.
Holotype F. 48878.
Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W.,* 84 (3), p. 361, pl. 19, fig. 1.
Upper Silurian: Chapman's Selection, Bowning, N.S.W.

Grammysia obliqua McCoy
Hypotype F. 32975.
Sherrard, K., 1959. *Ibid.,* p. 361, pl. 19, fig. 12.
Silurian: Cootamundra, N.S.W.

Grammysioides declivis Sherrard.
Holotype F. 27901; paratype F. 27876.
Sherrard, K., 1959. *Ibid.,* p. 362, pl. 19, fig. 2 (F. 27876), fig. 15 (F. 27901).
Upper Silurian: Bowning, N.S.W.

Inoceramus sp.
Figured specimens F. 50996–97.
Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.,* Pal. 11, p. 22, pl. 3, fig. 6 (F. 50997), fig. 7 (F. 50996).
Lower Cretaceous: White Cliffs Opal-field, near Wilcannia, N.S.W.

Inoceramus mitchelli M'Coy
See *Atomodesma mitchelli* (M'Coy)

Leda huttoni Tenison-Woods
Holotype F. 1786.
Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.,* 3 (3), p. 239, pl. 20, fig. 4.
Miocene: Muddy Creek, near Hamilton, Victoria.

Leda inconspicua Reeve
Hypotype F. 1800.
Tenison-Woods, J. E., 1878. *Ibid.,* p. 239, pl. 21, fig. 3.
Miocene: Muddy Creek, near Hamilton, Victoria.

Leda lucida Tenison-Woods
Holotype F. 1808.
Tenison-Woods, J. E., 1879. *Ibid.,* 4 (1), p. 4, pl. 1, fig. 7.
Miocene: Muddy Creek, near Hamilton, Victoria.

Leptodesma inflatum Dun
Syntypes F. 35670*, F. 35672.
Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.,* 5 (4), p. 170, pl. 18, fig. 3 (F. 35672), fig. 6 (F. 35670).
Devonian: White Cliffs, near Wilcannia, N.S.W.
* Possibly different species which Dun named *Leptodesma obesum.*

Leptodomus ? nuciformis Etheridge

Holotype F. 50634.

Etheridge, R., 1895–6. *Report of the Secretary for Mines, Tasmania,* p. 45, pl. —, fig. 28.

Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.,* p. 41, pl. —, fig. 28.

Silurian (Despatch Limestone): Zeehan, Tasmania.

Levicardium brazieri Etheridge

Holotype F. 51427.

Etheridge, R., 1892, *in* Jack, R. L., and Etheridge, R. The Geology and Palaeontology of Queensland and New Guinea. *London, Dulau.,* p. 476, pl. 43, fig. 10*.

Cretaceous?: Exact locality unknown "but without doubt collected in Queensland".

* In plate reference named *Cardium brazieri* Etheridge.

Limipecten flexixostatus (Mitchell)

See *Aviculopecten argutus* Mitchell

See *Aviculopecten articulosus* Mitchell

See *Aviculopecten flexicostatus* Mitchell

See *Aviculopecten fusiformis* Mitchell

See *Aviculopecten perobliquatus* Mitchell

See *Aviculopecten pyriformis* Mitchell

See *Aviculopecten sparteus* Mitchell

Limipecten pincombei (Mitchell)

See *Aviculopecten andrewsi* Mitchell

See *Aviculopecten pincombei* Mitchell

Limoptera ? permocarbonifera Etheridge

Holotype F. 1115.

Etheridge, R., 1900. *Rec. Aust. Mus.,* 3 (7), p. 186, pl. 32, figs 1–2.

Permian (Gerringong Volcanics): North of Crooked River, Gerringong, N.S.W.

Lyriopecten gracilis Dun

Holotype F. 35687.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.,* 5 (4), p. 169, pl. 18, fig. 8.

Devonian: Boulders at White Cliffs Opalfield, near Wilcannia, N.S.W.

Maccoyella barklyi (Moore)

Hypotypes F. 50998–99.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.,* Pal. 11, p. 17, pl. 2, figs 3–4 (F. 50998); pl. 3, figs 4–5 (F. 50999); pl. 4, figs 3–4*.

Lower Cretaceous: Depth 150 feet in well north of Milparinka, N.S.W.

* Specimen in Macleay Museum, University of Sydney.

Maccoyella corbiensis (Moore)

Hypotypes (a) F. 51000, (b) F. 10571, F. 10577, F. 10579, F. 10583, F. 13699.

Etheridge, R., 1902. *Ibid.,* p. 21, pl. 1, fig. 6 (mislaid), fig. 7 (F. 51000).

Etheridge, R., 1907. *Rec. Aust. Mus.,* 6 (5), p. 320, pl. 61, fig. 1 (F. 13699), fig. 2 (mislaid), fig. 3 (F. 10577), fig. 4 (F. 10579), fig. 5 (F. 10583), fig. 6 (F. 10571).

Lower Cretaceous: (a) Well on Mt Poole Station, near Milparinka, N.S.W., (b) South Central Queensland.

Maccoyella reflecta (Moore)

Hypotypes (a) F. 51429, (b) 51002.

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, *London. Publ. geol. Surv Qd,* 92, p. 457, pl. 23, figs 5–7 (F. 51429).

Etheridge, R. 1902. *Mem. geol. Surv. N.S.W.,* Pal. 11, p. 18, pl. 3, fig. 3 (F. 51002).

Lower Cretaceous: (a) Bungeworgora Creek, near Mount Abundance, Queensland, (b) Well on Mount Poole Station, near Milparinka, N.S.W.

Maccoyella umbonalis (Moore)

Plastohypotype F. 3312.

Etheridge, R., 1902. *Ibid.,* p. 20, pl. 4, fig. 1.

Lower Cretaceous: Near Milparinka, N.S.W.

Maeonia axina Dana

= *Pyramus myiformis* Dana

See *Pyramus axina* (Dana)

Maeonia carinata (Morris)

See *Myonia carinata* (Morris)

Maeonia carinata var. *minor* Etheridge

= *Myonia carinata* (Morris)

See *Myonia minor* Etheridge

Maeonia (*Pyramia*) *elliptica* Dana

= *Pyramus laevis* (Sowerby), in part

= *Pyramus myiformis* Dana, in part.

See *Pyramus ellipticus* Dana

Maeonia elongata Dana

See *Myonia elongata* Dana

Maeonia fragilis Dana

= *Myonia carinata* (Morris)

See *Myonia fragilis* Dana

Maeonia gigas (M'Coy)

= *Megadesmus* (*Cleobis*) *grandis* (Dana)

See *Myonia gigas* (M'Coy)

Maeonia gracilis Dana
= *Megadesmus* (*Cleobis*) *grandis* (Dana)
See *Myonia gracilis* Dana

Maeonia grandis Dana
See *Megadesmus* (*Cleobis*) *grandis* (Dana)

Maeonia morrisi Etheridge
= *Myonia morrisi* (Etheridge)
See *Pachymyonia morrisi* (Etheridge)

Maeonia morrisi var. ?
= *Myonia morrisi* (Etheridge)
See *Pachymyonia etheridgei* Dun

Maeonia ? *recta* Dana
See *Myonia* ? *recta* Dana

Maeonia valida Dana
See *Myonia valida* Dana

Malletia elongata Etheridge
= ? *Phaenodesmia elongata* (Etheridge)
Hypotypes (a) F. 51007, (b) F. 50994.
Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11, p. 25, pl. 2, figs 6–7 (mislaid)*, fig. 8 (F. 51007).
Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 26, pl. 6, fig. 14 (F. 50994).
Fleming, P. J. G., 1966. *Geol. Surv. Qd Publ.*, 333, p. 8.
Lower Cretaceous: (a) Mount Stuart, north-west N.S.W.; (b) Primrose Springs, east of the Peake, Central South Australia.
* Posibly in Mining Museum, Sydney.

Megadesmus antiquatus Sowerby
= *Pyramus laevis* (Sowerby)
Plastolectotype L. 944*; plastohypotype L. 656**.
Sowerby, J., 1838. *In* Mitchell, T. L., Three Expeditions into the Interior of Eastern Australia, *London, Boone,* 1, p. 15, pl. 1, fig. 2 (lectotype).
Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, pp. 693–4, pl. 5, fig. 2 (hypotype).
Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 5, fig. 1A ("holotype").
Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 34, pl. 1, fig. 3 (L. 944), in error, fig. 7.
Permian (Allandale Formation): Harper's Hill, N.S.W.
* Lectotype, PL. 683, in British Museum (Natural History).
** Original of L. 656 in U.S. National Museum, Washington, U.S.A.

Megadesmus cuneatus Sowerby
= *Pyramus laevis* (Sowerby).
Plastolectotype (a) L. 945*; hypotypes F. 28114, (b) F. 28109.
Sowerby, J., 1838. *In* Mitchell, T. L., Three Expeditions into the Interior of Eastern Australia, *London, Boone,* 1, p. 15, pl. 1, fig. 3 (lectotype).
Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 5, fig. 5B (lectotype), 5A (PL. 683)**.
Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 373.
Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 34, pl. 1, fig. 7 (L. 945), in error fig. 3.
Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 11, fig. 6, pl. 13, fig. 2, text fig. 19 (F. 28109); pl. 13, fig. 5 (F. 28114).
Permian (Allandale Formation): (a) Harper's Hill, (b) Allandale, N.S.W.
* Lectotype PL. 682 in British Museum (Natural History).
** Lectotype of *Pachydomus antiquatus* Sowerby = *Pyramus laevis* (Sowerby).

Megadesmus (*Megadesmus*) *globosus* Sowerby
Plastolectotype (a) L. 943*; hypotype (b) F. 50468.
Sowerby, J., 1838. *In* Mitchell, T. L., Three Expeditions into the Interior of Eastern Australia, *London, Boone,* 1, p. 15, pl. 3, figs 1–2 (lectotype).
Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 235, pl. 12, figs 5–6 (F. 50468).
Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 44 (F. 50468).
Permian (Allandale Formation): (a) Harper's Hill, (b) Allandale, N.S.W.
* Lectotype L. 61043 in British Museum (Natural History).

Megadesmus (*Cleobis*) *gracilis* (Dana)
= *Megadesmus* (*Cleobis*) *grandis* Dana
Plastolectotype L. 667*.
Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 698, pl. 7, figs 1a–c (lectotype).
Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 242, pl. 15, fig. 2 (L. 667).
Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 851.
Permian (Gerringong Volcanics): Wollongong, N.S.W.
* Lectotype in U.S. National Museum, Washington, U.S.A.

Megadesmus (*Cleobis*) *grandis* Dana

Plastolectotype L. 665*; plastoparalectotype L. 666*; hypotypes F. 18242, F. 7888, F. 21750.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 698, pl. 6, fig. 7 (lectotype), figs 8, 8a (paralectotype).

Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 242, pl. 14, figs 12, 14 (L. 665); pl. 15, fig. 1 (F. 18242), figs 3–4 (F. 7888).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 45, pl. 12, fig. 3 (F. 7888).

Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 13, fig. 1, pl. 14, fig. 1, text figs 22–23 (F. 21750).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

Lectotype (No. 3638) and paralectotype in U.S. National Museum, Washington, U.S.A.

See also *Pachydomus gigas* M'Coy, *Maeonia* (*Cleobis*) *gracilis* Dana *Cleobis robusta* Laseron and *Globicarina grossula* Waterhouse.

Megadesmus (*Megadesmus*) *gryphoides* (de Koninck)

= *Cleobis gryphoides* (de Koninck)

Neotype F. 44021; hypotypes F. 3113, F. 27392, F. 53*, F. 27566.

Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 239, pl. 12, figs 8, 10–11 (F. 44021); pl. 13, fig. 1 (F. 3113), figs 7, 9 (F. 27392).

Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 15, figs 1, 5–6, text figs 24–25 (F. 53), pl. 16, figs 1–4 (F. 27566).

Permian (Farley Formation): Farley, N.S.W.

* Selected also as neotype by Waterhouse, J. B. (paper in press).

Megadesmus laevis Sowerby

See *Pyramus laevis* (Sowerby)

Megadesmus (*Megadesmus*) *nobilissimus* (de Koninck)

Neotype F. 39557; hypotypes F. 46397, F. 50620.

Runnegar, B., 1965. *J. geol. Soc. Aust.*, 12 (2), p. 237, pl. 14, figs 5, 7 (F. 46397), fig. 13 F. 50620).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 850.

Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 9, fig. 5 (F. 39557).

Permian (Farley Formation): Ravensfield quarry, Farley, N.S.W.

Megadesmus robustus (Laseron)

= *Megadesmus* (*Cleobis*) *grandis* (Dana)

See *Cleobis robusta* Laseron

Merismopteria acutifrons (Dana)

See *Cypricardia acutifrons* Dana

Merismopteria arcodes (Dana)

See *Cypricardia arcodes* Dana

Merismopteria imbricata (Dana)

See *Cypricardia imbricata* Dana

Merismopteria macroptera (Morris)

See *Pterinea macroptera* (Dana) non Morri

Minnivola sapolwanaensis Carter

Holotype F. 51845, paratypes F. 51846–48.

Carter, A. N., 1966. *Geol. Mag.*, 103 (4 p. 317–319, pl. 14, fig. 1 (F. 51845), fig. (F. 51846), fig. 3 (F. 51847), fig. 4 (51848).

Middle or Upper Miocene: Sapolwana, Zull land, South Africa.

Modiola crassissima M'Coy

Plastosyntypes L. 1426–27*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 2(p. 300, pl. 15, fig. 2 (L. 1427), fig. (L. 1426).

Permian (Allandale Formation): Harper Hill, N.S.W.

* Original specimens in Sedgwick Museum Cambridge.

Modiola dunlopensis Etheridge

Syntype (a) F. 51006; hypotype (b) F. 10346

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.* Pal. 11, p. 23, pl. 7, fig. 1 (F. 51006).

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5) p. 322, pl. 60, fig. 6 (F. 10346).

Lower Cretaceous: (a) Well at depth 388' on Dunlop Station, northwest N.S.W., (b) South Central Queensland.

Modiola linguloides Hudleston

= *Mytilus inflatus* Moore

Plastosyntype F. 9117.

Hudleston, W. H., 1884. *Geol. Mag.*, Dec. 3, 1 (8), p. 341, pl. 11, figs 6, 6a.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 3 (1), p. 18, pl. 2, figs 13–15.

Lower Cretaceous: Cootanoorina, west of the Peake, central South Australia.

Modiola mytiliformis Etheridge

Holotype F. 5190.

Etheridge, R., 1917. *Rec. Aust. Mus.*, 11 (10), p. 223, pl. 40, fig. 3.

Devonian (? Berry Formation): Bundanoon, N.S.W.

Myonia sp. cf. *M. subarbritata* Dickins

Figured specimen F. 21384.

Dickins, J. M., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 63, p. 49, pl. 5, fig. 1.

Permian (Conjola Formation): Wyro, near Ulladulla, N.S.W.

Myonia accentuata Fletcher

= ? *Myonia elongata* Dana

Holotype F. 35613 (orig. number F. 2472); paratype F. 35380 (orig. number F. 1118).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 400, pl. 47, fig. 4 (F. 35380), fig. 5 (F. 35613).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, pp. 47, 49.

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Myonia carinata (Morris)

Plastohypotype (a) L. 660*; hypotypes (b) F. 35614 (orig. number F. 2471), F. 13840, F. 17752.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 696, pl. 6, figs 1a–b (original of L. 660).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 401, pl. 49, fig. 1 (F. 13840), fig. 2 (F. 35614), fig. 3 (L. 660).

Waterhouse, J. B., 1965. *Trans R. Soc. N.Z.*, 3 (5), p. 77.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 50, pl. 5, fig. 20, pl. 12, figs 7, 14 (F. 17752).

Permian (Gerringong Volcanics): (a) Wollongong. (? Berry Formation): (b) Bundanoon, N.S.W.

* Original No. 25640 in U.S. National Museum, Washington, U.S.A.

See also *Myonia fragile* Dana, *Myonia minor* Fletcher, and *Myonia minor* var. *etheridgei* Fletcher.

Myonia corrugata Fletcher

Holotype (a) F. 30014; paratype (b) F. 38329 (orig. number F. 2478).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 404, pl. 50, fig. 3 (F. 30014), fig. 4 (F. 38329).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour, Geol. Geophys. Aust.*, 96, p. 56.

Permian (Branxton Subgroup): (a) Millfield, near Cessnock; (Gerringong Volcanics): (b) ? Wollongong, N.S.W.

Myonia davidis Dun

= *Myonia morrisi* (Etheridge)

Lectotype F. 30060; paralectotype F. 52334 (orig. number F. 2486).

Dun, W. S., 1932. *Rec. Aust. Mus.*, 18 (8), p. 413, pl. 51, fig. 4 (F. 52334); pl. 52, fig. 4 (F. 30060).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 851 (F. 30060 listed in error as F. 30600).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 53.

Permian (Farley Formation): Ravensfield Quarry, near Farley, N.S.W.

Myonia depressa Fletcher

= ? *Myonia elongata* Dana (F. 30314*).

= ? *Myonia valida* Dana (F. 52335).

Holotype (a) F. 52335 (orig. number F. 2466); paratype (b) F. 30314; mentioned (c) F. 21731.

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 405, pl. 48, fig. 4 (F. 30314), fig. 5 (F. 52335); mentioned F. 21731.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, pp. 47 and 50.

Permian (Gerringong Volcanics): Gerringong; (Conjola Formation): (b) Ulladulla, (c) Schnapper Point, Kioloa, N.S.W.

* Also tentatively referred to *Myonia valida* Dana by Runnegar, 1967, p. 49.

Myonia elongata Dana

Plastolectotype (a) L. 669*; hypotypes F. 21715–16, (b) F. 8232*.*

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 695, pl. 5, figs 3a–c (lectotype).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 398, pl. 47, fig. 1 (F. 8232), fig. 2 (L. 669), fig. 3 (F. 21716).

Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 7, fig. 3A (F. 21715).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 47, pl. 5, fig. 19 (F. 8232).

Permian (Gerringong Volcanics): (a) Gerringong, (b) Wollongong, N.S.W.

* Lectotype No. 3584 in U.S. National Museum, Washington, U.S.A.

** A repaired specimen (F. 8232) has the anterior part of the shell attached upside down.

See also *Myonia depressa* Fletcher (in part) and *Myonia accentuata* Fletcher.

Myonia farleyensis Dun

= *Myonia morrisi* (Etheridge)

Lectotype F. 51786 (orig. number D. 1748); paralectotypes F. 52336 (orig. number F. 2493), F. 59.

Dun, W. S., 1932. *Rec. Aust. Mus.*, 18 (8), p. 413, pl. 51, fig. 5 (F. 52336), fig. 6 (F. 51786); pl. 52, fig. 5 (F. 59).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 850.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 53.

Permian (Farley Formation): Farley, N.S.W.

Myonia fragilis Dana

= *Myonia carinata* (Morris).

Plastoparalectotype L. 661.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 696, pl. 6, fig. 2 (lectotype)*, fig. 3 (L. 661).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 409.

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 849.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 50.

Permian (Muree Formation): Glendon, N.S.W.

* Lectotype No. 4639 in U.S. National Museum, Washington, U.S.A.

Myonia gigas (M'Coy)

= *Megadesmus* (*Cleobis*) *grandis* (Dana).

See *Pachydomus gigas* M'Coy.

Myonia minor Etheridge.*

= *Myonia carinata* (Morris).

Lectotype (a) F. 13939; paralectotypes F. 13954, F. 13929;** hypotypes F. 30223, (b) F. 30313, (c) F. 21733, (d) L. 661.***

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 187, pl. 29, fig. 5 (F. 13954), fig. 6 (F. 13939), figs 7–8 (F. 13946); pl. 30, fig. 9 (F. 13929).

Fletcher, H. O., 1932. *Ibid.*, 18 (8), p. 405, pl. 48, fig. 6 (F. 30313), fig. 7 (F. 21733); pl. 49, fig. 4 (F. 13939),** fig. 5 (L. 661),*** fig. 6 (F. 30223).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 849.

Runnegar, B., 1967. *Bull. Bur. Miner, Resour. Geol. Geophys. Aust.*, 96, p. 50.

Permian (?Berry Formation): (a) Bundanoon; (?Formation): (b) ? South Coast; (Wandrawandian Siltstone): (c) Wandrawandian; (Muree Formation): (d) Glendon, N.S.W.

* Described as *Maeonia carinata* var. *minor* by Etheridge, 1919, given specific status by Fletcher, 1932.

** Holotype of *Myonia minor* var. *etheridgei* Fletcher.

*** Plastoparalectotype of *Myonia fragilis* Dana.

Myonia minor var. *etheridgei* Fletcher.

= *Myonia carinata* (Morris).

Holotype F. 13929.

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 407.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 50.

Permian (?Berry Formation): Bundanoon, N.S.W.

Myonia morrisi (Etheridge)

See *Pachymyonia morrisi* (Etheridge).

Myonia parallela Dun

Lectotype F. 51787, *orig. No.* 2473; *hypotype* F. 44044.

Dun, W. S., 1932. *Rec. Aust. Mus.*, 18 (8), p. 413, pl. 52, fig. 1 (F. 51787).

Maxwell, W. G. H., 1964. *Pap. Dep. Geol. Univ. Qd*, 5 (9), p. 49.

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.*, 8 (5), p. 850.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 61, pl. 7, fig. 9 (F. 51787), figs. 7–8 (F. 44044).

Permian (Allandale Formation): Harper's Hill, N.S.W.

Myonia ? *erecta* Dana

Plastoholotype L. 668.*

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 698, pl. 7, fig. 2 (original of L. 668).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Myonia subarbitrata Dickins

See *Myonia* sp. cf. *M. subarbitrata* Dickins

Myonia ? *sulcata* Runnegar

Paratypes F. 31084*, F. 49860** (orig. No. F. 59).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 59, pl. 7, fig. 6 (F. 31084), fig. 10 (F. 49860), p. 71 (F. 31084).

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Paralectotype of *Myonia waterhousei* Dun.

** Paralectotype of *Pachymyonia etheridgei* Dun.

onia undata (Dana)

= *Pyramus* ? *undatus* (Dana)

Plastolectotype (a) L. 631*; hypotypes (b) F. 1127, F. 21713.

Dana, J. D., 1849. *In* United States Exploration Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 687, pl. 2, figs 11a–b (lectotype).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 407, pl. 50, fig. 1 (F. 1127), fig. 2 (L. 631).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 44.

Permian (Gerringong Volcanics): (a) Wollongong, (b) Gerringong, N.S.W.

* Lectotype No. 3639 in U.S. National Museum, Washington, U.S.A., described by Dana as *Pholadomya* (*Platymya*) *undata*.

yonia valida Dana

Plastolectotype (a) L. 657*; hypotypes (b) F. 8206, F. 2096, (c) F. 17752.

Dana, J. D., 1849. *In* United States Exploration Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 695, pl. 5, figs 4a–b (lectotype).

Fletcher, H. O., 1932. *Rec. Aust. Mus.*, 18 (8), p. 399, pl. 48, fig. 1 (F. 8206), fig. 2 (F. 2096), fig. 3 (L. 657).

Waterhouse, J. B., 1965. *Malacologia*, 3 (3), p. 375.

Runnegar, B., 1966. *J. geol. Soc. Aust.*, 13 (2), p. 375, text fig. 1G (F. 8206, F. 17752).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, pp. 49–50.

Runnegar, B., 1968. *Palaeontology*, 11 (1), p. 94, text fig. 1A; pl. 19, figs 1, 9; pl. 20, fig. 10 (F. 8206).

Permian (Gerringong Volcanics): (a) Gerringong, (b) Wollongong; (? Berry Formation): (c) Bundanoon, N.S.W.

* Lectotype No. 3665 in U.S. National Museum, Washington, U.S.A.

See also *Myonia depressa* Fletcher.

Myonia waterhousei Dun

= *Vacunella* ? cf. *waterhousei* (Dun)

Lectotype F. 6589; paralectotype F. 31084*.

Dun, W. S., 1932. *Rec. Aust. Mus.*, 18 (8), p. 412, pl. 52, fig. 2 (F. 31084), fig. 3 (F. 6589).

Waterhouse, J. B., 1965. *N.Z. Jl Geol. Geophys.*, 8 (5), p. 850.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 69, pl. 10, fig. 1 (F. 6589).

Permian (Farley Formation): Farley, N.S.W.

* Runnegar referred this specimen to his species *Myonia* ? *sulcata*.

Mytilus inflatus Moore.

See *Modiola linguloides* Hudleston

Mytilus primulafontensis Etheridge

Holotype F. 50995.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 18, pl. 2, figs 22–24.

Lower Cretaceous: Primrose Springs, east of the Peake, central South Australia.

Notomya clavata M'Coy

= *Pyramus myiformis* Dana

Plastolectotype L. 1437*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20 (Ser. 1), p. 304, pl. 15, fig. 4 (lectotype).

Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 7.

Waterhouse, J. B., 1965. *Malacologia*, 3 (3), p. 373.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 37.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Lectotype E. 10778 in Sedgwick Museum, Cambridge.

Notomya securiformis M'Coy

= *Pyramus myiformis* Dana

Plastolectotype L. 1438*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 20 (Ser. 1), p. 304, pl. 15, figs 5, 5a (lectotype).

Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 7, fig. 2D (lectotype).

Waterhouse, J. B., 1965. *Malacologia*, 3 (3), p. 373.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 37.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Lectotype E. 10776 in Sedgwick Museum, Cambridge.

Nucula abrupta Dana

See *Nuculana abrupta* (Dana)

Nucula sejugata Etheridge

Syntypes F. 8823a and b.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 108, pl. 14, fig. 9 (F. 8823a); pl. 15, fig. 5 (F. 8823b).

Lower Cretaceous: Near Point Charles Lighthouse, Darwin, Northern Territory.

Nuculana abrupta (Dana)

Plastoholotype (a) L. 670*; hypotype (b) F. 24240.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 698, pl. 7, figs 3, 3a (holotype).

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, 21 (6), p. 303, pl. 21, fig. 4 (L. 670), figs 5–6 (F. 24240).

Permian (Gerringong Volcanics): (a) Wollongong, (b) Gerringong, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Nuculana concinna (Dana) non Fletcher

Plastoholotype L. 671.*

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 699, pl. 7, fig. 4 (holotype).

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Nuculana concinna Fletcher, non Dana

See *Polidevcia nodulosa* Waterhouse

Nuculana darwini (de Koninck)

= ? *Nucundata darwini* (de Koninck)

Neotype F. 41409; hypotypes F. 41412, F. 41411.

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, 21 (6), p. 306, pl. 21, figs 1–2 (F. 41409); pl. 22, figs 1–2 (F. 41412).

Dickins, J. M., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 63, p. 38.*

Waterhouse, J. B., 1965. *Palaeontology*, 7 (4), pp. 641, 644 and 646 (F. 41409 and F. 41411 mentioned).

Permian (Branxton Subgroup): Caledonian Shaft, near Cessnock, N.S.W.

* Species referred to genus *Phestia*.

Nuculana (?) *etheridgei* (Johnston)

Mentioned specimen F. 37841.

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, 21 (6), p. 308.

Permian (Warbro Formation): "Colraine", Kimbriki, N.S.W.

Nuculana ovata Laseron

See *Polidevcia ovata* (Laseron)

Nuculana striata Sherrard

Holotype F. 32995.

Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W.*, 84 (3), p. 366, pl. 19, fig. 22.

Silurian: Cootamundra, N.S.W.

Nueulana waterhousei Etheridge

Syntypes F. 35408, F. 35413.

Etheridge, R., 1888. *Ann. Rept. Dept. Mi N.S.W.* (1887), p. 168 pl. —, fig. 6 35408), figs 7–8 (F. 35413).*

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, (6), p. 308.

Permian (Farley Formation): Wollon Road cutting, at Farley Railway Stati N.S.W.

* Specimens figured, pl. —, figs 5, 9– mislaid, possibly in Mining Museu Sydney.

Nuculites pseudodeltoides Reed

Hypotype F. 29431.

Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W* 84 (3), p. 365, pl. 19, fig. 17.

Upper Silurian: Bowning, N.S.W.

Nuculites scissa Sherrard

Holotype F. 27897.

Sherrard, K., 1959. *Ibid.*, p. 366, pl. 1 fig. 19.

Upper Silurian: Bowning, N.S.W.

Nuculites triangula Sherrard

Holotype F. 29410.

Sherrard, K., 1959. *Ibid.*, p. 366, pl. 1 fig. 21.

Upper Silurian: Bowning, N.S.W.

? *Nucundata darwini* (de Koninck)

See *Nuculana darwini* (de Koninck).

Oriocrassatella stokesi Etheridge

Plastosyntypes L. 718,* L. 719.*

Etheridge, R., 1907. Official Contribution to the Palaeontology of South Australia *S. Aust. Parl. Pap.* 55 (1906), Contrib 18, p. 9, pl. 6, figs 2–3 (original of L. 718), figs 4–5 (original of L. 719).

Dickins, J. M., 1956. *Bull. Bur. Miner Resour. Geol. Geophys. Aust.*, 29, p. 35.

Dickins, J. M., 1963. *Ibid.*, 63, p. 103, pl. 18, fig. 7 (original of L. 719), fig. 8 (L. 718).

Permian (Port Keats Group): Treachery Bay, Victoria River Estuary, Northern Territory.

* Original of L. 719 in South Australian Museum, that of L. 718 is missing.

Orthonota sp.

Figured specimen F. 35667.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 171, pl. 18, fig. 2.

Devonian: White Cliffs, near Wilcannia, N.S.W.

:hydomus antiquatus Dana

= *Pyramus laevis* (Sowerby)

See *Megadesmus antiquatus* Sowerby.

:hydomus gigas M'Coy

= *Megadesmus* (*Cleobis*) *grandis* (Dana)

Plastolectotype (a) L. 1421*; hypotype ((b) F. 30224; mentioned F. 2468.

M'Coy, F., 1847. *Ann. Mag. nat Hist.,* 20, p, 301, pl. 16, fig. 3 (lectotype).

Fletcher, H. O., 1932. *Rec. Aust. Mus.,* 18 (8), p. 403, pl. 49, fig. 7 (F. 30224), mentioned F. 2468, L. 1421.

Runnegar, B., 1965. *J. geol. Soc. Aust.,* 12 (2), p. 243.

Permian (Gerringong Volcanics): (a) Wollongong, (b) Jamberoo, N.S.W.

* Lectotype E. 10758 in Sedgwick Museum, Cambridge.

Species referred to the genus *Myonia* by Fletcher, 1932.

chydomus ovalis M'Coy (non Sowerby)

= *Astartila* (*Astartila*) *intrepida* Dana

Plastosyntypes L. 1423*, L. 1436*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.,* 20, p. 302, pl. 14, fig. 4 (original of ? L. 1423).

Fletcher, H. O., 1929. *Rec. Aust. Mus.,* 17 (2), p. 68.

Runnegar, B., 1965. *J. geol. Soc. Aust.,* 12 (2), p. 245.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Original specimens in Sedgwick Museum, Cambridge.

achydomus ? pusillus M'Coy

See *Astartila pusilla* (M'Coy)

achydomus sacculus M'Coy

Plastoholotype L. 1422.*

M'Coy, F., 1847. *Ann. Mag. nat. Hist.,* 20, p. 301, pl. 14, fig. 5 (holotype).

Permian (Gerringong Volcanics): Gerringong or Wollongong, N.S.W.

* Holotype in Sedgwick Museum, Cambridge.

achymyonia etheridgei Dun

Lectotype (a) F. 31083*; paralectotypes (b) F. 29988, (c) F. 59, (d) F. 5734**.

Etheridge, R., 1919. *Rec. Aust. Mus.,* 12 (9), p. 187, pl. 30, figs 1–2 (F. 5734).

Dun, W. S., 1932. *Ibid.,* 18 (8), p. 412, pl. 51, figs 2–3 (F. 31083); pl. 52, fig. 6 (F. 59).

Waterhouse, J. B., 1965. *N.Z. Jl. Geol. Geophys.,* 8 (5), p. 850.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, pp. 53, 59.

Permian (Allandale Formation): (a) Harper's Hill, (b) Allandale; (Farley Formation): (c) Farley, (Lochinvar Formation): (d) Lochinvar, N.S.W.

* Runnegar, 1967, p. 53 referred specimen F. 31083 to *Myonia morrisi,* and on p. 59, F. 59 to *Myonia? sulcata.*

** Described by Etheridge, 1919, as *Maeonia morrisi* var. ?; referred by Runnegar, 1967, p. 53, to *Myonia morrisi.*

Pachymyonia morrisi (Etheridge)

= *Myonia morrisi* (Etheridge)

Holotype F. 16978*; hypotypes F. 29990, F. 50560; 26275.

Etheridge, R., 1919. *Rec. Aust. Mus.,* 12 (9), p. 186, pl. 28, figs 7–8 (F. 16978).

Dun, W. S., 1932. *Ibid.,* 18 (8), p. 412, pl. 51, fig. 1 (F. 29990).

Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 376, fig. 3G (F. 26275).

Waterhouse, J. B., 1966. *J. geol. Soc. Aust.,* 13 (2), p. 550 (F. 26275).

Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 5, figs 1–4, text fig. 5 (F. 26275).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, p. 53, pl. 5, figs 8, 10 (F. 16978); fig. 16 (F. 50560), mentioned F. 26275.

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Described by Etheridge, 1919, as *Maeonia morrisi.*

See also *Myonia farleyensis* Dun, *Myonia davidis* Dun, *Pachymyonia etheridgei* Dun (in part).

Paracyclus obliqua Etheridge

Holotype F. 5188.

Etheridge, R., 1917. *Rec. Aust. Mus.,* 11 (10), p. 225, pl. 40, figs 6–7.

Permian (? Berry Formation): Bundanoon, N.S.W.

Pecten comptus Dana

See *Deltopecten comptus* (Dana)

Pecten leniusculus Dana

See *Deltopecten leniusculus* (Dana)

Pecten mitis Dana

Plastoholotype L. 686*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 705, pl. 9, figs 8a–b (holotype).

Etheridge, R., and Dun, W. S., 1906. *Mem. geol. Surv. N.S.W.,* Pal. 5 (2), p. 4.

Permian (Muree Formation): Glendon, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Species rejected by Etheridge and Dun, 1906, as fragmentary specimen is unrecognizable.

Pecten ptychotis M'Coy

= ? *Streblochondria ptychotis* (M'Coy)

See *Aviculopecten ptychotis* (M'Coy)

Pecten subquinquelineatus M'Coy

See *Deltopecten subquinquelineatus* (M'Coy)

Pecten tenuicollis Dana

See *Aviculopecten tenuicollis* (Dana)

Pelecypoda gen. indet.

Figured specimen F. 35685.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 172, pl. 18, fig. 7.

Devonian: White Cliffs, near Wilcannia, N.S.W.

Phestia darwini (de Koninck)

See *Nuculana darwini* (de Koninck)

Pholadomya (*Homomya*) *audax* Dana

= *Vacunella curvata* (Morris)

Plastolectotype L. 633*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 687, pl. 3, figs 1a–c (lectotype).

Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 377.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys, Aust.,* 96, p. 63.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Lectotype, No. 3643, in U.S. National Museum, Washington, U.S.A.

Pholadomya (*Homomya*) *curvatus* (Morris)

= *Vacunella curvata* (Morris)

Plastohypotype L. 634*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 688, pl. 3, figs 2a–b (original of L. 634).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, p. 64.

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Hypotype in U.S. National Museum, Washington, U.S.A.

Pholadomya gigantea (Sowerby)

Plastohypotype L. 757.

Moesch, C., 1875. *Abh. Schweis. palaeont. Ges.,* 1 (2), p. 31, fig. 2a (original of L. 757).

Runnegar, B., 1966. *J. geol. Soc. Aust.,* (2), p. 375, fig. 1B (L. 757).

Cretaceous: Bielersee, Germany.

Pholadomya (*Homomya*) *glendonensis* Dana

= *Vacunella curvata* (Morris)

Plastolectotype L. 632*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–18[illegible] under the command of Charles Wilkes, U.S.N., 10, Geology, p. 687, pl. 2, fig. (lectotype).

Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 377.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, p. 6[illegible]

Permian (Muree Formation): Glendon, N.S.W.

* Lectotype No. 25643 in U.S. National Museum, Washington, U.S.A.

Pholadomya terra-reginae Etheridge

Holotype F. 7314.

Etheridge, R., 1902. *Rec. Aust. Mus.,* 4 (5), p. 205, fig. 21.

Lower Cretaceous: Central southwest Queensland.

Pholadomya (*Platymya*) *undata* Dana

= *Pyramus* ? *undatus* (Dana)

See *Myonia undata* (Dana)

Pleurophorus gregarius Etheridge

= *Cypricardinia* ? *gregarius* (Etheridge)

Syntype F. 14236; hypotype F. 29507.

Etheridge, R., 1900. *Ibid.,* 3 (7), p. 185, pl. 33, figs 2–4 (F. 14236), fig. 5 (?).

Dickins, J. M., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 63, p. 98, pl. 16, figs 20–21 (F. 29507).

Permian (Farley Formation): Farley, N.S.W.

Pleurophorus gregarius var. *inflata* Laseron

Syntypes F. 20172–4.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.W.,* 44 (2), p. 215, pl. 19, figs 2–3 (F. 20173), figs 4–5 (F. 20174), fig. 6. (F. 20172).

Permian (?Wandrawandian Siltstone): Burrier, N.S.W.

Pleurorhynchus australis M'Coy

See *Conocardium australe* (M'Coy)

levcia nodulosa Waterhouse

olotype F. 39313*.

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, 21 (6), p. 305, pl. 22. figs 4–5.

Waterhouse, J. B., 1965. *Palaeontology*, 7 (4), p. 641.

Permian (Branxton Subgroup): Abermain No. 3 Shaft, near Cessnock, N.S.W.

* Described by Fletcher, 1945, as *Nuculana concinna* Dana.

devcia ovata (Laseron)

ectotype (a) F. 20176; hypotypes (b) F. 41406–8.

Laseron, C.F. 1910. *J. Proc. R. Soc. N.S.W.*, 44 (2), p. 219, pl. 15, figs 5–7 (F. 20176).

Fletcher, H. O., 1945. *Rec. Aust. Mus.*, 21 (6), p. 304, pl. 20, figs 4–6 (F. 20176), fig. 7 (F. 41406), fig. 8 (F. 41407).

Waterhouse, J. B., 1965. *Palaentology*, 7 (4), p. 638, mentioned (F. 41408).

Permian (?Wandrawandian Siltstone): (a) Burrier; (Branxton Subgroup); (b) Abermain No. 3 Shaft, near Cessnock, N.S.W.

hyria eyrensis (Etheridge)

See *Unio eyrensis* Etheridge

hyria johnstoni (Etheridge)

ee *Unio johnstoni* Etheridge

tovirgus dunstani (Etheridge)

ee *Unio dunstani* Etheridge

tovirgus flemingi McMichael

'aratype F. 47275*.

McMichael, D. F., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (3), p. 233.

Upper Cretaceous (Paparoa Group): Morgan East Dip, Liverpool Colliery, New Zealand.

* Originally numbered 5394 in N.Z. Geological Survey.

rinea (?)

Figured specimen F. 35669 (orig. number F. 1126).

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 170, pl. 18, fig. 4.

Devonian: White Cliffs near Wilcannia, N.S.W.

rinea macroptera Dana, non Morris

Plastotype L. 675*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 704, mentioned only.

Permian (Gerringong Volcanics): "Illawarra", N.S.W.

* Original in U.S. National Museum, Washington, U.S.A.

Pteronites pittmani Etheridge

Syntypes (a) F. 35650, F. 35648, F. 35407; hypotype (b) F. 35651.

Etheridge, R., 1894. *Rec. geol. Surv. N.S.W.*, 4 (1), p. 29, pl. 6, fig. 1 (F. 35407), fig. 2 (F. 35650), fig. 3 (F. 35648).

Etheridge, R., 1907. *Ibid.*, 8 (3), p. 194, pl. 38, fig. 9 (F. 35651).

Upper Devonian: (a) Solitary Creek, Mt Lambie, County Cook; Carboniferous: (b) West of Mt Uriari, Parish Somerton, County Parry, N.S.W.

Pteronites (?) *tanipteroides* Etheridge

Syntypes F. 35651–2.

Etheridge, R., 1907. *Ibid.*, p. 193, pl. 37, fig. 9 (F. 35652), fig. 10 (F. 35652); pl. 38, fig. 10 (?F.35652).

Lower Carboniferous: West of Mt Uriari, Parish Somerton, County Parry, N.S.W.

Pyramus axina (Dana)**.

= *Pyramus myiformis* Dana

Plastolectotype L. 658*; plastoparalectotype L. 659*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 696, pl. 5, figs 5a–c (lectotype), fig. 5d (paralectotype).

Newell, N. D., 1956. *Am. Mus. Novit.*, No. 1799, p. 7.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 37.

Permian (Gerringong Volcanics): "Illawarra district", N.S.W.

* Lectotype, No. 3585, and paralectotype in U.S. National Museum, Washington, U.S.A.

** Species named *Cypricardia sinuosa* by Dana, 1847 (*Amer. J. Sci.*, 54, p. 157) and *Maeonia axina* in 1849, p. 696.

Pyramus ellipticus Dana

Plastolectotype (a) L. 663*; plastoparalectotype (b) L. 664*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 697, pl. 6, figs 5a–c (lectotype), figs 6, 6a (paralectotype).

Waterhouse, J. B., 1965. *Malacologia*, 3 (3), p. 373.

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, pp. 34, 37.

Permian (Gerringong Volcanics) (a) ?Wollongong. (Allandale Formation): (b) Harper's Hill, N.S.W.

*Lectotype, No. 3583, referred to *Pyramus laevis* (Sowerby); paralectotype to ?*Pyramus myiformis* Dana; both specimens in U.S. National Museum, Washington, U.S.A.

Pyramus laevis (Sowerby)

Plastolectotype (a) L. 942*, hypotypes (b) F. 14757, F. 18959, F. 18988, F. 25768, F. 25854, F. 28113, F. 29328, F. 50456–7, F. 50452, F. 51558.

Sowerby, J., 1838. In *Mitchell,* T. L., Three Expeditions into the Interior of Eastern Australia. *London, Boone.* 1, p. 15, pl. 1, fig. 1 (lectotype).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, p. 34, pl. 1, fig. 1 (L. 942), fig. 2 (F. 14757), fig. 4 (F. 29328), fig. 5 (F. 18959), fig. 6 (F. 18988); text fig. 4a (F. 25768), 4b (F. 50456), 4c (F. 50452), 4d (F. 51558).

Runnegar, B., 1968. *Palaeontology,* 11 (1), p. 97, pl. 19, fig. 2 (F. 28113), figs 3–8 and text fig. 3A (F. 50457).

Waterhouse, J. B., *Bull. geol. Surv. N.Z.,* (in press), pl. 12, fig. 3, text fig. 15 (F. 25854).

Permian (Allandale Formation): (a) Harper's Hill, (b) Allandale, N.S.W.

* Lectotype L. 61050, described by Sowerby, 1838, as *Megadesmus laevis,* in British Museum (Nat. Hist.).

See also *Pyramus ellipticus Dana* (in part), *Megadesmus antiquatus* Sowerby.

Pyramus myiformis Dana

Plastolectotype L. 662*; hypotypes F. 17773, F. 51285, F. 51562

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 697, pl. 6, figs 4a–c (lectotype).

Newell, N. D., 1956. *Am. Mus., Nov.,* No. 1799, p. 7, figs 4e–f (lectotype).

Waterhouse, J. B., 1965. *Malacologia,* 3 (3), p. 372, fig. 3c (lectotype).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 96, p. 37, pl. 2, figs 11–12 (F. 17773), fig. 18 (F. 51562); pl. 3, fig. 1 (F. 51285).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Lectotype No. 3587 in U.S. National Museum, Washington, U.S.A.

See also *Notomya securiformis* M'Coy, *Notomya clavata* M'Coy, *Pyramus axinia* (Dana), and *Pyramus ellipticus* Dana (in part).

Pyramus ? *undatus* (Dana)

See *Myonia undata* Dana

Rhombopteris obliqua Sherrard

Holotype F. 32985—counterpart F. 32986.

Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W.,* 84 (3), p. 367, pl. 19, fig. 26.

Silurian: Cootamundra, N.S.W.

Sanguinolites etheridgei de Koninck

See *Vacunella etheridgei* (de Koninck)

Schizodus delicatula (Fletcher)

See *Astartila delicatula* Fletcher

Schizodus kennedyensis Dickins

Paratype F. 38393.

Dickins, J. M., 1956. *Bull. Bur. Resour. Geol. Geophys. Aust.,* 29, pl. 5, fig. 4.

Permian (Wandagee Formation): M River, about 25 chains west of Coc Pool, Western Australia.

Schizodus subcarinata (Fletcher)

See *Astartila subcarinata* Fletcher

Solecurtus (?) *ellipticus* Dana

Plastoholotype L. 629*.

Dana, J. D., 1849. *In* United States Ex ing Expedition during the years 1838– under the command of Charles W U.S.N., 10, Geology, p. 686, pl. 2, (holotype).

Etheridge, R., 1919. *Rec. Aust. Mus* (9), p. 190.

Permian (Gerringong Volcanics): Wc gong, N.S.W.

Holotype in U.S. National Museum, W ington, U.S.A.

* Etheridge, 1919, considers this sp should be struck off the list of Permian sils as the only specimen is a meanin impression.

Solecurtus (*Psammodia*?) *planulatus* Dana

Plastoholotype L. 630*.

Dana, J. D., 1849. *In* United Staets Ex ing Expedition during the years 1838–1 under the command of Charles Wi U.S.N., 10, Geology, p. 686, pl. 2, fig (holotype).

Etheridge, R., 1919. *Rec. Aust. Mus.,* 12 p. 190.

Permian (Allandale Formation): Harp Hill, N.S.W.

* Holotype in U.S. National Museum, W ington, U.S.A.

Etheridge, 1919, considered the single sp men to be a meaningless impression that the species should be deleted f the list of Permian fossils.

Solenomya translineata Laseron

Syntype F. 20179.

Laseron, C. F., 1910. *J. Proc. R. Soc. N.S.* 44 (2), p. 218, pl. 17, fig. 4 (F. 2017 figs 5–7 (specimen mislaid).

Permian (?Wandrawandian Siltstone): B rier, N.S.W.

ochondria englehardti (Etheridge and Dun)
: *Aviculopecten englehardti* Etheridge and Dun

lochondria parkesi (Fletcher)
: *Aviculopecten parkesi* Fletcher

hburia, I.
entioned specimen F. 7910.
Etheridge, R., 1919. *Rec. Aust. Mus.,* 12 (9), p. 191.
Permian (Gerringong Volcanics): Wollongong, N.S.W.

hburia compressa (Morris)
ypotypes (a) F. 16977, (b) F. 1275.
Etheridge, R., 1900. *Ibid.* 3 (7), p. 181, pl. 31, fig. 2 (F. 16977); pl. 33, fig. 1 (F. 1275).
Permian (Gerringong Volcanics): (a) Jamberoo, (b) Black Head, Gerringong, N.S.W.

chburia costata (Morris)
astohypotype (a) 655*; hypotypes, (b) F. 1121, (c) F. 19164.
Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 692, pl. 4, figs 8a–c (original of L. 655).
Etheridge, R., 1900. *Rec. Aust. Mus.,* 3 (7), p. 180, pl. 31, fig. 1 (F. 1121).
Newell, N. D., 1957. *Amer. Mus. Novit.,* No. 1857, p. 7, fig. 3A (F. 19164).
Permian (Gerringong Volcanics): (a) Illawarra, (b) Crooked River, near Kiama (Conjola Formation), (c) Kioloa, near Ulladulla, N.S.W.
* Original in U.S. National Museum, Washington, U.S.A.

utchburia cuneata (Dana)
ee *cardinia* ? *cuneata* Dana

chburia farleyensis Etheridge
yntypes F. 35427, F. 35429.
Etheridge, R., 1900. *Rec. Aust. Mus.,* 3 (7), p. 182, pl. 4, figs 3–5 (F. 35427), fig. 6 (F. 35429).
Permian (Farley Formation): Farley, N.S.W.

chburia obliqua Etheridge
lolotype F. 41680.
Etheridge, R., 1900. *Ibid.,* p. 184, pl. 31, fig. 3.
Permian (Shoalhaven Group): Jervis Bay, N.S.W.

?*Stutchburia praerupta* (Dana)
See *Cypricardia praerupta* Dana

Stutchburia recta Dana
See *Cardinia recta* Dana

Stutchburia simplex Dana
See *Cypricardia simplex* Dana

Stutchburia (?) *veneris* (Dana)
See *Cypricardia veneris* Dana

Syncyclonema (?) *socialis* (Moore)
Hypotype F. 50993
Etheridge, R., 1902. *Mem. R. Soc. S. Aust.,* 2 (1), p. 9, pl. 1, figs 11–12.
Lower Cretaceous: Primrose Springs, near the Peake, central South Australia.

Tancrediopsis delicatula Sherrard
Holotype F. 27931.
Sherrard, K., 1959. *Proc. Linn. Soc. N.S.W.,* 84 (3), p. 364, pl. 19, fig. 20.
Upper Silurian: Bowning, N.S.W.

Tancrediopsis minuta Sherrard
Holotype F. 29429.
Sherrard, K., 1959. *Ibid.,* p. 365, pl. 19, fig. 16.
Upper Silurian: Bowning, N.S.W.

Tatella aptiana Whitehouse
Hypotypes F. 42218, F. 42415.
Day, R. W., 1968. Unpublished Ph.D. Thesis (Aust. National University), pl. 40, fig. 20 (F. 42218), figs. 21–23 (F. 42415).
Lower Cretaceous: Mountain Well, Onepah Station, 30 miles N.N.E. of Tibooburra, N.S.W.

Tellinomya darwini de Koninck
= *Phestia darwini* (de Koninck).
See *Nuculana darwini* (de Koninck).

Teredo vastisas Etheridge
Syntypes F. 7414, F. 7412.
Etheridge, R., 1902. *Rec. Aust. Mus.,* 4 (5), p. 201, pl. 34 (F. 7414); pl. 35 (F. 7412).
Lower Cretaceous: Queensland.

Trigonia cinctuta Etheridge
= *Nototrigonia cinctuta* (Etheridge).
Plastosyntype (a) F. 51527; hypotype (b) F. 10487–88.
Etheridge, R., 1902. *Mem. geol. Surv. S. Aust.,* 2 (1), p. 28, pl. 4, fig. 6 (F. 51527).

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 322, pl. 60, fig. 9 (Cast taken from F. 10487–88).

Skwarko, S. K., 1963. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 67, p. 26.

Lower Cretaceous: (a) Lake Eyre Basin, South Australia, (b) South Central Queensland.

Holotype: T. 1318A in Geology Department, University of Adelaide.

Undulomya rugulata Fletcher

Paratype F. 16746.

Fletcher, H. O., 1946. *Rec. Aust. Mus.*, 21 (7), p. 400, pl. 35, fig. 6 (F. 16746); pl. 34, figs 1–2 (holotype*).

Permian (Nooncanbah Formation): Mt Marmion, Balmaningarra, Western Australia.

* Holotype No. 42055 in University of Western Australia.

Plate numbers reversed during printing in above paper.

Unio dunstani Etheridge

= *Protovirgus dunstani* (Etheridge).

Lectotype F. 35776; paralectotypes F. 33777, F. 35779–80, F. 35765, F. 35693*.

Etheridge, R., 1888. *Mem. geol. Surv. N.S.W.*, Pal. 1, p. 11, pl. 1, figs 11–12 (F. 35779), figs 13–14 (F. 35776), figs 15–16 (F. 35780), figs 17–18 (F. 35777), fig. 19 (F. 35765).

McMichael, D. F., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (3), p. 232, pl. 14, fig. 8 (F. 35776).

Upper Triassic (Wianamatta Group): Gibraltar Tunnel, near Bowral, N.S.W.

* Slab also containing type specimens of *Unionella bowralensis* Etheridge.

Unio eyrensis Etheridge

= *Prohyria eyrensis* (Etheridge).

?Paratype F. 9081.

Etheridge, R., 1891. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 158, p. 11.

McMichael, D. F., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (3), p. 228, pl. 13, fig. 8 (F. 9081).

Ludbrook, N. H., 1961. *Trans. R. Soc. S. Aust.*, 84, p. 141.

Triassic: Leigh Creek, South Australia.

Unio johnstoni Etheridge

= *Prohyria johnstoni* (Etheridge).

Hypotypes F. 117, F. 1653, F. 17462–64.

McMichael, D. F., 1956. *Ibid.*, p. 228, pl. 13, fig. 7 (F. 117).

Oligocene: Launceston Basin, Tasmania.

Unio (?) *wianamattensis Etheridge*

= *Unionella wianamattensis* (Etheridge).

Lectotype F. 35775; paralectotypes F. 35[illegible] F. 35767*, F. 35763, F. 35773.

Etheridge, R., 1888. *Mem. geol. Surv. N.S.* Pal. 1, p. 10, pl. 2, figs 1–3 (F. 357[illegible] fig. 4 (F. 35773).

McMichael, D. F., 1956. *Proc. Linn. N.S.W.*, 81 (3), p. 235, pl. 14, fig. 4 35767*), fig. 5 (F. 35775).

Upper Triassic (Wianamatta Group): B[illegible] quarry at Crown Street, Waterloo, Sydney, N.S.W.

* Originally syntype of *Unionella bowrale* Etheridge.

Unionella bowralensis Etheridge

Lectotype F. 35770; paralectotypes F. 357[illegible] F. 35768–69, F. 35765, F. 35763*, F. 357[illegible] F. 35772, F. 35774, F. 35693**.

Etheridge, R., 1888. *Mem. geol. Surv. N.S.* Pal. 1, p. 13, pl. 1, fig. 21 (F. 35763) fig. 22 (F. 35768), fig. 23 (F. 35693* pl. 2, fig. 8 (F. 35723), fig. 9 (F. 3577[illegible] fig. 10 (F. 35772), fig. 11 (F. 35771), 12 (F. 35770), figs 13–14 (F. 35767*)

McMichael, D. F., 1956. *Proc. Linn. S N.S.W.*, 81 (3), p. 236, pl. 14, fig. 6 35770).

Triassic (Wianamatta Group): Railway c ting near Gibraltar Tunnel, Bowral, N.S.

* Syntypes now referred to *Unionella wian mattensis* (Etheridge).

** Slab also contains type specimens of *Pr tovirgus dunstani* (Etheridge).

Unionella carnei Etheridge

Lectotype F. 35766; paralectotypes F. 3576 F. 35778.

Etheridge, R., 1888. *Mem. geol. Sur N.S.W.*, Pal. 1, p. 14, pl. 1, fig. 20 (35766); pl. 2, figs. 5–6 (F. 35778), fig. (F. 35764).

McMichael, D. F., 1956. *Proc. Linn. So N.S.W.*, 81 (3), p. 237, pl. 14, fig. (F. 35766).

Triassic (Wianamatta Group): Railwa cutting at Gibraltar Tunnel, Bowra N.S.W.

Unionella wianamattensis (Etheridge)

See *Unio* (?) *wianamattensis* Etheridge.

Vacunella curvata (Morris)

Hypotypes (a) F. 5733, (b) F. 197*, F. 30077 (c) F. 51560, (d) F. 39465, F. 21916, F 21961, (e) F. 19201, (f) F. 51563, F. 8136 (g) F. 51561.

Waterhouse, J. B., 1965. *Malacologia*, 2 (3), p. 377, text fig. 2i (F. 197), fig. 3H (F. 197 and F. 30077).

Runnegar, B., 1966. *J. geol. Soc. Aust.*, 13 (2), p. 375, text fig 1A (F. 8136).

Waterhouse, J. B., 1967. *Mem. Qd Mus.*, 15 (1), p. 53, pl. 7, fig. 1 (F. 51563), fig. 4 (F. 197), text figs 2A–B (F. 197, F. 30077, F. 8136).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 63, pl. 7, figs 15–16, pl. 8, figs 6–8, pl. 9, fig. 16, pl. 12, figs 9–10 (F. 8136); pl. 8, fig. 9 (F. 51561) ; pl. 9, fig. 17 (F. 21916); pl. 11, fig. 14 (F. 21961); text fig. 3C (F. 8136).

Runnegar, B., 1968. *Palaeontology*, 11 (1), p. 95, pl. 20, fig. 4 (F. 19201).

Waterhouse, J. B. *Bull. geol. Surv. N.Z.* (in press), pl. 6, figs 8–9 (F. 5733); pl. 7, figs 1–2, 4 (F. 197); pl. 8, fig. 1 (F. 51563), figs 4–5 (F. 30077); fig. 16 (F. 39465).

Permian (? Branxton Subgroup): (a) Railway cutting two miles beyond Lochinvar, (b) ? Maitland, (c) between Greta and Branxton; (Conjola Formation): (d) Kiola near Ulladulla; (? Nowra Sandstone): (e) Bawley Point, Termeil, (g) Berry; (Gerringong Volcanics): (f) Wollongong, N.S.W.

* Referred tentatively by Runnegar, 1967, to *Vacunella etheridgei* (de Koninck).

See also *Pholadomya* (*Homomya*) *audax* Dana, *Pholadomya* (*Homomya*) *curvatus* (Morris), *Pholadomya* (*Homomya*) *glendonensis* Dana.

Vacunella etheridgei (de Koninck)

Mentioned specimens (a) F. 197*, (b) F. 44024.

Runnegar, B., 1967. *Bull. Bur. Miner, Resour. Geol. Geophys. Aust.*, 96, pp. 67, 69.

Permian (? Branxton Subgroup): (a) ?Maitland, (b) Branxton, N.S.W.

* See also *Vacunella curvata* (Morris).

acunella ? *waterhousei* (Dun)

See *Myonia waterhousei* Dun.

acunella cf. *waterhousei* (Dun)

Figured specimens (a) F. 26265, F. 51048, F. 51056–8, (b) F. 30021.

Runnegar, B. 1966. *J. geol. Soc. Aust.*, 13 (2), p. 375, text fig. 10 (F. 51057).

Runnegar, B., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 96, p. 70, pl. 10, fig. 2 (F. 51048), fig. 3 (F. 51058), figs 4–5 (F. 26265), figs 6–9 (F. 30021), figs 10–11 (F. 51056), figs. 12–13 (F. 51057), text figs 3D (p. 23) (F. 51056–7).

Permian (Farley Formation): (a) Brown's Quarry, Ravensfield, (b) Maitland, N.S.W.

See also *Myonia waterhousei* Dun.

Venus (?) *gregaria* M'Coy

Plastosyntypes L. 1429–30*.

M'Coy, F., 1847. *Ann. Mag. nat. Hist.*, 10, p. 305, pl. 16, fig. 5 (original of L. 1429).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Syntypes in Sedgwick Museum, Cambridge.

Gastropoda

Acmaea (?) *monswoodensis* Etheridge

Syntype F. 9527.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (4), p. 251, pl. 27, fig.5; figs 6–7 (missing).

Cretaceous: Country around Mount Woods, north-west of Coward Springs, Lake Eyre Basin, South Australia.

Adeorbis acuticarinata Tenison-Woods

Holotype F. 1822.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 238, pl. 21, fig. 9.

Miocene: Muddy Creek, near Hamilton, Victoria.

Adeorbis aster Tenison-Woods

Holotype F., 1799.

Tenison-Woods, J. E., 1878. *Ibid.*, p. 238, pl. 21, fig. 6.

Miocene: Muddy Creek, near Hamilton, Victoria.

? *Aesopus crebrecostatus* Tenison-Woods

Holotype F. 1712.

Tenison-Woods, J. E., 1879. *Ibid.* (1st Ser.), 4 (1), p. 15, pl. 3, fig. 5.

Miocene: Muddy Creek, near Hamilton, Victoria.

Ancillaria semilaevis Tenison-Woods

Holotype F. 1784.

Tenison-Woods, J. E., 1878. *Ibid.* (1st Ser.), 3 (3), p. 229, pl. 20, fig. 7.

Miocene: Muddy Creek, near Hamilton, Victoria.

Anisomyon (?) *depressus* Etheridge

Holotype F. 4724.

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 328, pl. 61, figs 13–4.

Lower Cretaceous: Three miles north-west of Kensington Downs Homestead, near Longreach, Queensland.

Baylea koninckí Etheridge

See *Yvania koninckí* Etheridge.

Bellerephon creswelli Etheridge

Holotype F. 1327.

Etheridge, R., 1890. *Ibid.*, 1 (7), p. 130, pl. 19, figs 6–8.

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Bellerephon micromphalus Dana, non *B. micromphala* Morris

See *Warthia perspecta* Fletcher.

Bellerephon micromphalus Morris, non *B. micromphalus* Dana.

See *Warthia micromphala* (Morris)

Bellerephon strictus Dana

= *Warthia stricta* (Dana)

(a) Plastoholotype L. 701*; hypotype (b) F. 1081.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 707, pl. 10, figs 5a–b (original of L. 701).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 150, pl. 15, figs 11–12 (F. 1081), figs 13–14 (L. 701).

Permian (Gerringong Volcanics): (a) Wollongong, (b) Gerringong, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Bellerephon undulatus Dana

= *Warthia micromphala* (Morris)

Plastoholotype L. 700*; hypotypes F. 8174, F. 7936.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 707, pl. 10, figs 4a–b (original of L. 700).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 147, pl. 16, fig. 4 (F. 8174), fig. 5 (F. 7936).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Holotype in U.S. National Museum, Washington, U.S.A.

Cancellaria laticostata Tenison-Woods

Holotype F. 1709.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc.* N.S.W. (1st Ser.), 4 (1), p. 17, pl. 2, fig. 8.

Miocene: Muddy Creek, near Hamilton, Victoria.

Cancellaria (?) *terrareginensis* Etheridge

Holotype F. 7391.

Etheridge, R., 1907. *Rec. Aust Mus.*, 6 p. 327, pl. 60, fig. 11.

Lower Cretaceous: South-Central Qu land.

Cancellaria varicifera Tenison-Woods

Holotype F. 1815.

Tenison-Woods, J. E., 1878. *Proc. Linn. N.S.W.* (1st Ser.), 3 (3), p. 231, pl fig. 12.

Miocene: Muddy Creek, near Hamilton. toria.

Cassis exigua Tenison-Woods

Holotype F. 1793.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 p. 17, pl. 2, fig. 7.

Miocene: Muddy Creek, near Hami Victoria.

Cerithium apheles Tenison-Woods

Holotype F. 1704.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 p. 232, pl. 20, fig. 15.

Miocene: Muddy Creek, near Hamil Victoria.

Cerithium cribarioides Tenison-Woods

Holotype F. 1705.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 p. 231, pl. 20, fig. 14.

Miocene: Muddy Creek, near Hamil Victoria.

Cerithium eusmilia Tenison-Woods

Holotype F. 1821.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 p. 5, pl. 1, fig. 9.

Miocene: Muddy Creek, near Hamilt Victoria.

Cerithium salteriana Tenison-Woods

Holotype F. 1804.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 p. 5, pl. 1, fig. 11.

Miocene: Muddy Creek, near Hamilt Victoria.

Coelocallus brazieri (Etheridge)

See *Niso* (*Vetotuba*) *brazieri* Etheridge

Columbella hemiothone Tenison-Woods

Holotype F. 1775.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1 p. 14, pl. 3, fig. 8.

Miocene: Muddy Creek, near Hamilto Victoria.

umbella woodsi Pritchard
= *Fusus funiculatus* Tenison-Woods

nus pullulascens Tenison-Woods
Holotype F. 1706.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 3, pl. 1, figs 3–4.
Miocene: Muddy Creek, near Hamilton, Victoria.

nus ralphii Tenison-Woods
Holotype F. 1785.
Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 228, pl. 21, fig. 14.
Miocene: Muddy Creek, near Hamilton, Victoria.

ossea parvula Tenison-Woods
Holotype F. 17499.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 4, pl. 1, fig. 7.
Miocene: Muddy Creek, near Hamilton, Victoria.

clichna exigua Tenison-Woods
Holotype F. 1806.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 19, pl. 2, fig. 6.
Miocene: Muddy Creek, near Hamilton, Victoria.

cloliituites bowningensis Etheridge
Holotype F. 9459.
Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 2, pl. 8, figs 1–7.
Upper Silurian: Bowning, N.S.W.

yclonema australis Etheridge
Holotype F. 1138; hypotype F. 1251.
Etheridge, R., 1890. *Ibid.*, 1 (3), p. 63, pl. 9, figs 4–5 (F. 1138).
Etheridge, R., 1891. *Ibid.*, 1 (7), p. 127, pl. 19, figs 1–2 (F. 1251).
Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

yclonema lilydalensis Etheridge
Holotype F. 1325.
Etheridge, R., 1891. *Ibid.*, 1 (7), p. 128, pl. 19, fig. 3.
Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

ycloscena anomphala Fletcher
Holotype F. 29777, paratype F. 46586.
Fletcher, H. O., 1958. *Ibid.*, 24 (10), p. 131, pl. 10, figs 1–2 (F. 29777), fig. 3 (F. 46586).
Permian (Allandale Formation): Harper's Hill, near Allandale, N.S.W.

Daphnella gracillima Tenison-Woods
Holotype F. 1703.
Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 226, pl. 20, fig. 10.
Miocene: Muddy Creek, near Hamilton, Victoria.

Drillia integra Tenison-Woods
Holotype F. 1774.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 11, pl. 3, fig. 4.
Miocene: Muddy Creek, near Hamilton, Victoria.

Drillia stiza Tenison-Woods.
Holotype F. 1777.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 12, pl. 2, fig. 11.
Miocene: Muddy Creek, near Hamilton, Victoria.

Drillia trevori Tenison-Woods
Holotype F. 1813.
Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 227, pl. 20, fig. 4.
Miocene: Muddy Creek, near Hamilton, Victoria.

Eulima danea Tenison-Woods.
Holotype F. 1779.
Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 2, pl. 1, fig. 1.
Miocene: Muddy Creek, near Hamilton, Victoria.

Eunema montgomerii Etheridge
= *Trochonema montgomerii* Etheridge
Syntypes F. 50631, F. 50632.
Etheridge, R., 1896. *Rep. Secr. Mines Tasm.*, p. 47, pl. —, fig. 21 (F. 50631), fig. 22 (F. 50632).
Etheridge, R., 1898. *Rec. Aust. Mus.*, 3 (4), p. 75.
Silurian: Zeehan, Tasmania.

Euomphalus cera Etheridge
Holotype F. 35785.
Etheridge, R., 1896. *Rec. geol. Surv. N.S.W.*, 5 (1), p. 17, pl. 1, figs 5–6.
Lower Carboniferous: Seven miles north-east of Paterson, N.S.W.

Euomphalus culleni Dun
Holotype F. 35673.
Dun, W. S., 1898. *Ibid.*, 5 (4), p. 173, pl. 18, figs 12–13.
Upper Devonian: White Cliffs, N.S.W.

Euomphalus pentangulatus Sowerby

Plastohypotype F. 35710.

Etheridge, R., 1907. *Ibid.*, 8 (3), p. 196, pl. 38, fig. 1.

Carboniferous: Moonan Brook, 35 miles east of Scone, N.S.W.

Fasciolaria tenisoni Tenison-Woods

Holotype F. 1778.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc. N.S.W.*, (1st Ser.), 4 (1), p. 13, pl. 3, fig. 3.

Miocene: Muddy Creek, near Hamilton, Victoria.

Fusus funiculatus Tenison-Woods

= *Columbella woodsi* Pritchard

Holotype F. 1796.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 225, pl. 20, fig. 1.

* Renamed by Pritchard, G. B., 1904. *Proc. Roy. Soc. Vict.*, (New Ser.), 17 (1), p. 326, as *F. funiculatus* was preoccupied.

Miocene: Muddy Creek, near Hamilton, Victoria.

Fusus ino Tenison Woods

Holotype F. 1795.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc. N.S.W.*, (1st Ser.), 4 (1), p. 13, pl. 3, fig. 10.

Miocene: Muddy Creek, near Hamilton, Victoria.

Fusus styliformis Tenison-Woods

Holotype F. 1817.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 12, pl. 3, fig. 6.

Miocene: Muddy Creek, near Hamilton, Victoria.

Goniostropha pritchardi Etheridge

Syntypes F. 4112a–c.

Etheridge, R., 1898. *Rec. Aust. Mus.*. 3 (4), p. 71, pl. 15, figs 1–4.

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Gyrodema etheridgei (Creswell)

Hypotype F. 2542.

Etheridge, R., 1898. *Ibid.*, p. 72, pl. 16, fig. 1.

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Helicotoma johnstoni Etheridge

Syntypes F. 4265a–b.

Etheridge, R., 1898. *Ibid.*, p. 73, pl. 15, figs 6–8 (F. 4265a); pl. 16, figs 3–4 (F. 4265b).

Lower Silurian: Gordon River, West Tasmania.

Holopea wellingtonensis Etheridge

Syntypes F. 2694–95, F. 16939.

Etheridge, R., 1898. *Ibid.*, p. 77, pl. [illegible] fig. 11 (F. 16939); pl. 16, figs 7–8 [illegible] 2694), fig. 9 (F. 2695).

Lower Devonian: Wellington Caves, N.S.W.

Keeneia sp. nov. Dickins

See *Keeneia ocula* (Sowerby)

Keeneia depressum Etheridge, non *Platyschisma depressum* Dana

See *Planikeeneia minor* Fletcher

Keeneia ocula (Sowerby)

Holotype PG. 1061*; hypotypes No. 96901** F. 27531†, F. 27535, F. 27539, F. 465[illegible]

Sowerby, J., 1838, in Mitchell, T. [illegible] Three Expeditions into the Interior [illegible] Eastern Australia. *London, Boone,* p. 1[illegible] pl. 2, figs 3–4 (PG. 1061).

Morris, J., 1845, *in* Strzelecki, P. E. [illegible] Physical Description of New South Wal[illegible] and Van Diemen's Land, *London,* p. 28[illegible] pl. 18, fig. 1 (No. 96901).

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 5[illegible] pl. 9, figs 6–8 (F. 27531).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 2[illegible] (10), p. 134, pl. 19, figs 1–3 (PG. 1061-photographs), figs 4–6 (F. 27535), fig. [illegible] (No. 96901-photograph); pl. 20, figs 5–[illegible] (F. 27539).

Permian (Allandale Formation): Harper's Hill. N.S.W.

* In British Museum (Nat. Hist.), originally described by Sowerby, 1838, as *Trochus oculus;* ** described by Morris, 1845, as *Platyschisma oculus*; photographs provided by British Museum.

† Figured by Dickins, 1957, as *Keeneia* sp. nov.

Keeneia platyschismoides Etheridge

Holotype F. 7257; paratype F. 7258; hypotype F. 19006; plastohypotype L. 693*.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 707, pl. 10, fig. 1[illegible] (original of L. 693).

Etheridge, R., 1902. *Rec. Aust. Mus.*, 4 (5), p. 199, pl. 32, fig. 1 (F. 7258), fig. 2 (F. 7257); pl. 33, fig. 3 (F. 7258), figs 4–5[illegible] (?).

Fletcher, H. O., 1958. *Ibid.*, 24 (10), p. 132, pl. 14, figs 1–2 (F. 7257); pl. 15, figs 1–2[illegible] (F. 7258).

Permian (Allandale Formation): Harper's [illegible] Hill, near Allandale, N.S.W.

* Original specimen, described and figured by Dana, 1849, as *Platyschisma oculus* Sowerby; in U.S. National Museum, Washington, U.S.A.

eeneia trochiforme Fletcher

Holotype F. 46571; paratype F. 46572.

Fletcher, H. O., 1958. *Ibid.*, p. 133, pl. 10, figs 4–6 (F. 46571); pl. 11, figs 1–2 (F. 46572).

Permian (Allandale Formation): Harper's Hill, near Allandale, N.S.W.

iotia lamellosa? Tenison-Woods

Holotype F. 1707.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 236, pl. 21, fig. 5.

Miocene: Muddy Creek, near Hamilton, Victoria.

oxonema sp ?

= *Loxonema lamellosum* Maxwell

Figured specimens (a) F. 35711; (b) F. 46745.

Etheridge, R., 1907. *Rec. geol. Surv. N.S.W.*, 8 (3), p. 195, pl. 37, fig. 4 (F. 35711), fig. 5 (F. 46745).

Campbell, K. S. W., and Engel, B. A., 1963. *J. geol. Soc. Aust.*, 10 (1), p. 96.

Carboniferous: (a) Near Carroll; (b) West of Mount Uriari, Parish Somerton, County Parry, N.S.W.

oxonema anglicum (d'Orbigny)

Hypotype F. 46929*.

Koninck, L. G. de, 1877. *Soc. des. Sci. Nat. Liege, Mem.* Ser. 2, 6–7; translation in *Mem. geol. Surv. N.S.W.*, 1898, Pal. 6, p. 98, pl. 4, fig. 9.

Lower Middle Devonian: Taylor's, Murrumbidgee, N.S.W.

* One of the specimens used by De Koninck to make up the composite figure on pl. 4, fig. 9.

oxonema babbindoonensis Etheridge

Syntypes F. 35716–17.

Etheridge, R., 1907. *Rec. geol. Surv. N.S.W.*, 8 (3), p. 194, pl. 38, fig. 5 (F. 35716), fig. 6 (F. 35717).

Carboniferous: Babbindoon, N.S.W.

oxonema lamellosum Maxwell

See *Loxonema* sp.

Magelia bidens Tenison-Woods

Holotype F. 1787.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 227, pl. 20, fig. 2.

Miocene: Muddy Creek, near Hamilton, Victoria.

Minolia strigata Tenison-Woods

Holotype F. 1711.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 235, pl. 21, fig. 7.

Miocene: Muddy Creek, near Hamilton, Victoria.

Mitra alokiza Tenison-Woods

Holotype F. 1792.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 9, pl. 2, fig. 12.

Miocene: Muddy Creek, near Hamilton, Victoria.

Mitra dictua Tenison-Woods

Holotype F. 1791.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 8, pl. 3, fig. 7.

Miocene: Muddy Creek, near Hamilton, Victoria.

Mitra othone Tenison-Woods

Holotype F. 1790.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 8, pl. 21, fig. 4.

Miocene: Muddy Creek, near Hamilton, Victoria.

Mourlonia duni Etheridge

Syntype F. 2684.

Etheridge, R., 1898. *Rec. Aust. Mus.*, 3 (4), p. 73, pl. 15, fig. 5 (F. 2684); pl. 16, fig. 2*.

Lower Devonian: Wellington Caves, N.S.W.

* In collection of the Mining Museum, Sydney.

Mourlonia ? *waterhousei* Etheridge

Holotype F. 51405.

Etheridge, R., 1896. *Rec. geol. Surv. N.S.W.*, 5 (1), p. 17, pl. 1, figs 7–8.

Permian (? Muree Formation): Quarter mile northwest of the Water-works, West Maitland, N.S.W.

Mourlonopsis strzeleckiana (Morris)

Hypotypes (a) 29735, F. 46579; (b) F. 21530 F. 21762; (c) F. 21255.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 129, pl. 9, fig. 9 (F. 21762), fig. 10 (F. 29735), fig. 11 (F. 21530).

Permian (Gerringong Volcanics): (a) Wollongong: (b) Gerringong; (? Formation): (c) Coast line between St. George's Basin and Ulladulla, N.S.W.

Murchisonia sp.

Figured specimen F. 35674.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 172, pl. 18, fig. 11.

Devonian: White Cliffs, N.S.W.

Murchisonia sp indet.

Mentioned specimens F. 1247a–b.

Etheridge, R., 1891. *Rec. Aust. Mus.*, 1 (7), p. 129.

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Nassa tatei Tenison-Woods

Holotype F. 1771.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 230, pl. 21, fig. 13.

Miocene: Muddy Creek, near Hamilton, Victoria.

Natica wintlei var. *hamiltonensis* Tenison-Woods

Holotype F. 1702.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 229, pl. 21, fig. 8.

Miocene: Muddy Creek, near Hamilton, Victoria.

Niso (*Vetotuba*) *brazieri* Etheridge

= *Coelocaulus brazieri* (Etheridge).

Syntypes F. 1240a, F. 1145.

Etheridge, R., 1890. *Rec. Aust. Mus.*, 1 (3), p. 62, pl. 8, figs 4–5 (F. 1240a); pl. 9, fig. 2 (missing), fig. 3 (F. 1145).

Chapman, F., 1916. *Proc. R. Soc. of Vict.*, 29 (N. Ser.) (1), p. 86.

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Niso psilo Tenison-Woods

Holotype F. 1708.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 4 (1), p. 18, pl. 1, fig. 6.

Miocene: Muddy Creek, near Hamilton, Victoria.

Odontostomia (?) *cretacea* Etheridge

Holotype F. 10285.

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 329, pl. 60, figs 10, 10a.

Lower Cretaceous: South Central Queensland.

Oriostoma northi Etheridge

Syntypes F. 1321a, F. 1139e.

Etheridge, R., 1890. *Ibid.*, 1 (3), p. 64, pl. 9, fig. 6 (F. 1321a), fig. 7 (F. 1139e).

Lower Devonian: Cave Hill quarry, Lilydale, Victoria.

Paromphalus ammonitiformis (Etheridge)

See *Straparollus ammonitiformis* Etheridge

Peruvispira allandalensis (Fletcher)

See *Pleurocinctosa allandalensis* Fletcher.

Peruvispira elegans (Fletcher)

See *Pleurocinctosa elegans* Fletcher

Peruvispira nuda (Dana)

See ? *Pleurocinctosa nuda* (Dana)

Peruvispira trifilata (Dana).

See *Pleurocinctosa trifilata* (Dana)

Phanerotrema australis Etheridge

Syntypes F. 39308, F. 1332.

Etheridge, R., 1891. *Rec. Aust. Mus.*, 1 (7), p. 128, pl. 19, fig. 4 (F. 39308), fig. 5 (F. 1332).

Lower Devonian: Cave Hill quarry, near Lilydale, Victoria.

Pileopsis alta Dana

See *Rhabdocantha alta* (Dana)

Pisania tenuicostata Tenison-Woods

Holotype F. 1816.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 224, pl. 20, fig. 6.

Miocene: Muddy Creek, near Hamilton, Victoria.

Placostylus bivaricosus var. *solidus* Etheridge

Syntypes F. 122a–d.

Etheridge, R., 1891. *Rec. Aust. Mus.*, 1 (7), p. 131, pl. 20, figs 1–2 (F. 122a), figs 3–4 (F. 122b), fig. 5 (F. 122c), fig. 6 (F. 122d).

Quaternary: Lord Howe Island.

Planikeeneia depressum (Dana)

Plastoholotype L. 694*; hypotypes F. 27084**, F. 27085.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 707, pl. 10, figs 2a–b (holotype).

Mitchell, J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 278, pl. 35, figs 1–2 (F. 27084).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 136, pl. 17, figs 1–2 (F. 27084); pl. 18, figs. 1–2 (L. 694).

Permian (Allandale Formation): Harper's Hill, near Allandale, N.S.W.

* Holotype, original of L. 694, is specimen figured by Dana, 1849, pl. 10, figs 2a–b; in U.S. National Museum, Washington, U.S.A.

** Holotype of *Platyschisma allandalensis* Mitchell.

Planikeeneia insculpta Fletcher

Holotype F. 29904.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 138, pl. 17, figs 3–4.

Permian (Allandale Formation): Allandale, N.S.W.

Planikeeneia minor Fletcher

(a) Holotype F. 46578*; paratypes F. 46589, (b) F. 6640**.

Etheridge, R., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 176, pl. 19, figs 14–17 (F. 46578).

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), pp. 188–9, (F. 6640—specimen referred to from Lochinvar).

Fletcher, H. O., 1958. *Ibid.*, 24 (10), p. 136, pl. 14, figs 3–4 (F. 46578), figs 5–6 (F. 46589).

Permian (Allandale Formation): (a) Harper's Hill; (Lochinvar Formation); (b); Lochinvar; N.S.W.

* Originally described as *Platyschisma oculus* Sowerby by Etheridge, 1898.

** Originally referred to as *Keeneia depressum* Dana, by Etheridge, 1919.

Planikeeneia occasa Fletcher

Holotype (a) F. 28295; paratypes (b) F. 29869; (c) F. 6601*.

Etheridge, R., 1919. *Rec. Aust. Mus.*, 12 (9), p. 189, pl. 28, fig. 9 (F. 6601*).

Fletcher, H. O., 1958. *Ibid.*, 24 (10), p. 137, pl. 18, figs 3–4 (F. 28295), fig. 5 (F. 6601*), fig. 6 (F. 29869).

Permian (Branxton Subgroup): (a) Branxton; (b) Maitland; (c) Farley; N.S.W.

* Originally described as ? *Platyschisma rotundatum* var. *farleyensis* by Etheridge, 1919.

Platyceras (Orthonychia) altum Etheridge

See *Rhabdocantha alta* (Dana)

Platyceras (Orthonychia) cornucapella Etheridge

See *Rhabdocantha cornucapella* (Etheridge)

Platyceras farleyensis Fletcher

Holotype F. 30004.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 126, pl. 8, fig. 6.

Permian (Farley Formation): Ravensfield quarry, near Farley, N.S.W.

Platyceras (Orthonychia) ungula Etheridge

See *Rhabdocantha ungula* (Etheridge)

Platyschisma allandalensis Mitchell

See *Planikeeneia depressum* (Dana)

Platyschisma branxtonensis Fletcher

Holotype (a) F. 28297; paratypes F. 28294, (b) F. 28305.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 146, pl. 16, figs 1–3 (F. 28297).

Permian (Branxton Subgroup): (a) Aberdare; (b) Branxton, N.S.W.

Platyschisma depressum Dana

See *Planikeeneia depressum* (Dana)

Platyschisma oculus Etheridge, 1898 (non Sowerby)

See *Planikeeneia minor* Fletcher

Platyschisma oculus Dana (non Sowerby)

See *Keeneia platyschismoides* Etheridge

Platyschisma rotundatum (Morris)

Holotype*; hypotypes (a) F. 2192, (b) F. 29925, (c) F. 45323.

Morris, J., 1845. *In* Strzelecki, P. E. de, Physical Description of New South Wales and Van Diemen's Land. *London*, p. 286, pl. 18, fig. 2 (holotype).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 145, pl. 16, fig. 6 (F. 45323), fig. 7 (F. 29925), figs 8–9 (F. 2192).

Permian (Gerringong Volcanics): (a) Wollongong; (?Branxton Subgroup): (b) Branxton; (Capertee Group): Rylstone, N.S.W.

* Holotype is the specimen figured by Morris, 1845, pl. 18, fig. 2, in the British Museum (Nat. Hist.); although recorded from Harper's Hill the specimen is almost certainly from Wollongong.

Platyschisma rotundatum var. *farleyensis* Etheridge

See *Planikeeneia occasa* Fletcher

Pleurocinctosa allandalensis Fletcher

Holotype *; paratypes (a) F. 27524, F. 27545, (b) F. 47269.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 706, pl. 9, fig. 16 (holotype*), non figs 15, 15a.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 141. pl. 11, figs 7–9 (F. 27545); pl. 12, fig. 2 (F. 27524), fig. 3 (F. 47269).

Permian (Allandale Formation): (a) Harper's Hill; (Lochinvar Formation): Lochinvar, N.S.W.

* Holotype is specimen figured by Dana, 1849, pl. 9, fig. 16, from Harper's Hill, in U.S. National Museum, Washington.

Genus *Pleurocinctosa* is listed as a junior synonym of *Peruvispira* in *Treatise on Invert. Pal.*, 1960, ed. R. C. Moore, vol. 1 (Mollusca 1), p. 1331.

Pleurocinctosa elegans Fletcher

Holotype F. 46587; topotype, F. 1174.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 142, pl. 12, fig. 1 (F. 46587).

Waterhouse, J. B., 1963. *N.Z. Jl. Geol. Geophys.*, 6 (4), p. 613, fig. 24 (F. 1174).

Permian (Elderslie Formation): Richmond Vale, N.S.W.

Genus *Pleurocinctosa* is listed as a junior synonym of *Peruvispira in Treatise on Invert. Pal.*, 1960, ed. R. C. Moore, Vol. 1 (Mollusca 1), p. 1331.

?Pleurocinctosa nuda (Dana)

Plastoholotype L. 692.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10 (Geology), p. 706, pl. 9, figs 17a–c (original of L. 692).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 142.

Permian (Allandale Formation): Harper's Hill, N.S.W.

Genus *Pleurocinctosa* listed as a junior synonym of *Peruvispira in Treatise on Invert. Pal.*, 1960, ed. R. C. Moore, Vol. 1 (Mollusca 1), p. 1331.

* Holotype in U.S. National Museum, Washington, U.S.A.

Pleurocinctosa trifilita (Dana)

Lectotype*; hypotypes F. 21251, F. 21395–6, F. 21535; F. 21250a–b**.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842, under the command of Charles Wilkes, U.S.N., 10, Geology, p. 706, pl. 9, figs 15, 15a (lectotype), non fig. 16.

Dickins, J. M., 1957. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 41, p. 49, pl. 8, fig. 6 (F. 21250b), fig. 7 (F. 21250a).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 140, pl. 11, figs 3–4 (F. 21535), fig. 5 (F. 21395), fig. 6 (F. 21251).

Permian (Gerringong Volcanics): Gerringong, N.S.W.

* Lectotype is specimen figured by Dana, 1849, pl. 9, figs 15, 15a as *Pleurotomaria morrisiana;* in U.S. National Museum, Washington, U.S.A.

** Figured by Dickins, 1957, as *Ptychomphalina morrisiana,* for comparative purposes.

Genus *Pleurocinctosa* listed as junior synonym of *Peruvispira* in *Treatise on Invert. Pal.*, 1960, ed. R. C. Moore, Vol. 1 (Mollusca 1), p. 1331.

Pleurotoma clarkei Tenison-Woods

Holotype F. 1811.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 4 (1), p. 11, pl. 3, fig. 11.

Miocene: Muddy Creek, near Hamilton, Victoria.

Pleurotoma consutilis Tenison-Woods

Holotype F. 1820.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 9, pl. 2, fig. 5.

Miocene: Muddy Creek, near Hamilton, Victoria.

Pleurotoma murndaliana Tenison-Woods

Holotype F. 1700.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 226, pl. 20, fig. 5.

Miocene: Muddy Creek, near Hamilton, Victoria.

Pleurotoma rhomboidalis Tenison-Woods

Holotype F. 1798.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 10, pl. 2, fig. 9.

Miocene: Muddy Creek, near Hamilton, Victoria.

Pleurotoma samueli Tenison-Woods

Holotype F. 1788.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 226, pl. 20, fig. 3.

Miocene: Muddy Creek, near Hamilton, Victoria.

Pleurotomaria morrisiana M'Coy

See *Pleurocinctosa trifilata* (Dana)

Pleurotomaria strzeleckiana Morris

See *Mourlonopsis strzeleckiana* (Morris)

Pseudamauria reflecta Etheridge

Syntypes F. 17454–55.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11, p. 40, pl. 2, figs 13–14 (F. 17454), figs 15–16 (F. 17455).

Lower Cretaceous: White Cliffs, N.S.W.

Pseudamauria variabilis (Moore)

Hypotype F. 17453.

Etheridge, R., 1902. *Ibid.*, p. 40, pl. 2, figs 9–10 (F. 17453), figs 11–12 (mislaid).

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

tychodon davidi Ladd

Holotype F. 52343.

Ladd, H. S., 1968. *J. Paleont.*, 42 (3), p. 857. text fig. 1.

Pleistocene or Recent: Bore Core at 170 feet, Funafuti, Ellice Islands.

Rhabdocantha adunca Fletcher

Holotype F. 46400; paratype F. 46401.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 123, pl. 7, figs 8–9 (F. 46400).

Permian (Allandale Formation): Harper's Hill, N.S.W.

For comments on genus *Rhabdocantha* see *Treatise on Invertebrate Palaeontology*, ed. R. C. Moore, Vol. 1 (Mollusca 1), p. 1331; also Waterhouse, J. B., 1963, *N.Z. Jl Geol. Geophys.*, 6 (4), p. 820.

Rhabdocantha alta (Dana)*

Neotype F. 35587; hypotype F. 35585.

Etheridge, R., 1896. *Rec. geol. Surv. N.S.W.*, 5 (1), p. 15, pl. 1, fig. 1 (F. 35587), fig. 2 (F. 35585).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 122, pl. 7, figs 1–2 (F. 35587), figs 3–4 (F. 35585).

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Originally described by Etheridge, 1896, as *Platyceras* (*Orthonychia*) *altum* Dana

Rhabdocantha cornucapella (Etheridge)

Holotype F. 35588*.

Etheridge, R., 1896. *Rec. geol. Surv. N.S.W.*, 5 (1), p. 15, pl. 1, fig. 3.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 123, pl. 7, figs 5–7.

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Described by Etheridge, 1896 as *Platyceras* (*Orthonychia*) *cornucapella.*

Rhabdocantha intermedia Fletcher

Holotype F. 26950.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 124, pl. 7, figs 10–11.

Permian (Allandale Formation): Harper's Hill, N.S.W.

Rhabdocantha irregularis Fletcher

Holotype F. 27525; paratype F. 30131.

Fletcher, H. O., 1958. *Ibid.*, p. 125, pl. 8, figs 4–5 (F. 30131); pl. 9, figs 1–2 (F. 27525).

Permian (Allandale Formation): Harper's Hill, N.S.W.

Rhabdocantha ungula (Etheridge)

Holotype F. 35586*, paratype F. 30146; hypotype F. 46402.

Etheridge, R.. 1896. *Rec. geol. Surv. N.S.W.*, 5 (1), p. 16, pl. 1, fig. 4 (F. 35586).

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 124, pl. 7, fig. 12 (F. 46402); pl. 8, figs 1–3 (F. 35586); pl. 9, figs 3–4 (F. 30146).

Permian (Allandale Formation): Harper's Hill, N.S.W.

* Described by Etheridge, 1896 as *Platyceras* (*Orthonychia*) *ungula.*

Solarium wannonensis Tenison-Woods

Holotype F. 1818.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.*, (1st Ser.), 3 (3), p. 237, pl. 21, fig. 10.

Miocene: Muddy Creek, near Hamilton, Victoria.

Straparollus ammonitiformis Etheridge

= *Paromphalus ammonitiformis* (Etheridge)

Holotype F. 7669; hypotypes F. 30018, F. 28302.

Etheridge, R., 1902. *Rec. Aust. Mus.*, 4 (5), p. 200, pl. 23, figs 1–2 (F. 7669).

Fletcher, H. O., 1958. *Ibid.*, 24 (10), p. 146, pl. 21, fig. 1 (F. 30018), figs 2–3 (F. 7669), figs 4–5 (F. 28302).

Permian (Allandale Formation): Harper's Hill, N.S.W.

Strotostoma inflata Fletcher

Holotype F. 45350, paratype F. 44246.

Fletcher, H. O., 1958. *Rec. Aust. Mus.*, 24 (10), p. 128, pl. 9, fig. 6 (F. 44246), figs 7–8 (F. 45350).

Permian (Capertee Group): Two miles northwest of Rylstone, N.S.W.

Strotostoma rylstonensis Fletcher

(a) Holotype F. 40940; paratypes F. 39682, F. 39625, F. 45392; (b) F. 6430; mentioned specimens (a) F. 39628; (c) F. 39859.

Fletcher, H. O., 1958. *Ibid.*, p. 127, pl. 8, fig. 7 (F. 45392), fig. 8 (F. 39625), figs 9–10 (F. 40940), fig. 11 (F. 39682); pl. 9, fig. 5 (F. 6430).

Permian (Capertee Group): (a) Two miles northwest of Rylstone; (b) (Gerringong Volcanics); Gerringong; (c) (Maitland Group); Congewai, near Cessnock, N.S.W.

Thalotia exigua Tenison-Woods

Holotype F. 1780.

Tenison-Woods, J. E., 1878. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 3 (3), p. 235, pl. 20, fig. 11.

Miocene: Muddy Creek, near Hamilton, Victoria.

Triforis planata Tenison-Woods

Holotype F. 1814.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 6, pl. 1, fig. 12.

Miocene: Muddy Creek, near Hamilton, Victoria.

Triforis sulcata Tenison-Woods

Holotype F. 1710.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 233, pl. 20, fig. 12.

Miocene: Muddy Creek, near Hamilton, Victoria.

Triforis wilkinsoni var. *psila* Tenison-Woods

Holotype F. 1803.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 6, pl. 1, fig. 10.

Miocene: Muddy Creek, near Hamilton, Victoria.

Triton woodsii Tate

Hypotype F. 1805.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 15, pl.. 3, figs 1–2.

Miocene: Muddy Creek, near Hamilton. Victoria.

Trivia mimima Tenison-Woods

Holotype F. 1782.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), pl. 1, figs 8, 8a.

Miocene: Muddy Creek, near Hamilton, Victoria.

Trochita turbinata Tenison-Woods

Holotype F. 1812.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 238, pl. 21, fig. 1.

Miocene: Muddy Creek, near Hamilton, Victoria.

Trochonema or *Eunema*

Figured specimen F. 46131.

Etheridge, R., 1894. Official contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 25 (Contrib. 7), p. 25, pl. 3, fig. 12.

Ordovician: Macdonnell Ranges, Northern Territory.

Trochonema etheridgei Johnston

Hypotype F. 4266.

Etheridge, R., 1898. *Rec. Aust. Mus.*, 3 (4), p. 75, pl. 16, figs 5–6.

Lower Silurian: Gordon River, West Tasmania.

Trochonema montgomerii Etheridge

See *Eunema montgomerii* Etheridge

Trochonema (?) *nodosa* Etheridge.*

Holotype F. 14228.

Ratte, F., 1885. *Proc. Linn. Soc. N.S.W.*, 10 (1), p. 80, pl.. 9, figs 1–2.

Etheridge, R., 1898. *Rec. Aust. Mus.*, 3 (4), p. 76, pl. 15, figs 9–10.

Middle Devonian: Cave Flat, Murrumbidgee River, N.S.W.

* Described and figured by Ratte, 1885, as *Worthenia* sp. nov.

Trochus (*Scalaetrochus*) *lindstromi* Etheridge

Holotype F. 1137.

Etheridge, R., 1890. *Rec. Aust. Mus.*, 1 (3), p. 66, pl. 8, figs 1–2.

Lower Devonian: Cave Hill quarry, near Lilydale, Victoria.

Trochus oculus Sowerby

See *Keeneia ocula* (Sowerby).

Trophon polyphyllia Tenison-Woods

Holotype F. 1796.

Tenison-Woods, J. E., 1879. *Proc. Linn. Soc. N.S.W.* (1st Ser.), 4 (1), p. 7, pl. 2, fig. 1.

Miocene: Muddy Creek, near Hamilton, Victoria.

Trophon succinctus Tenison-Woods

Holotype F. 1823.

Tenison-Woods, J. E., 1879. *Ibid.*, 4 (1), p. 16, pl. 4, figs 6, 6a.

Miocene: Muddy Creek, near Hamilton, Victoria.

Turritella platyspira Tenison-Woods

Holotype F. 1781.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 234, pl. 20, fig. 13.

Miocene: Muddy Creek, near Hamilton, Victoria.

Turritella transenna Tenison-Woods

Holotype F. 1701.

Tenison-Woods, J. E., 1878. *Ibid.*, 3 (3), p. 234, pl. 20, fig. 8.

Miocene: Muddy Creek, near Hamilton, Victoria.

Vanikoropsis (?) *stuarti* Etheridge

Hypotypes F. 13700–03.

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 327, pl. 26, fig. 9 (F. 13703), figs 10–11 (F. 13700), fig. 12 (F. 13702), fig. 13 (F. 13701).

Lower Cretaceous: South Central Queensland.

Viviparus alba-scopularis Etheridge

Holotype F. 17456.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W., Pal.* 11, p. 43, pl. 7, figs 8–9.

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

Walnichollsia pygmaea Fletcher

Holotype (a) F. 46585; paratypes F. 21594, (b) F. 21576, F. 21634.

Fletcher, H. O., 1958. *Rec. Aust. Mus.,* 24 (10), p. 144, pl. 12, figs 4–6 (F. 46585), fig. 7 (F. 21634), fig. 8 (F. 21576).

Permian (Gerringong Volcanics): (a) Black Head, near Gerringong; (Conjola Formation): (b) Wyro, near Ulladulla, N.S.W.

Walnichollsia subcancellata (Morris)

Holotype*; hypotypes (a) F. 45348, F. 43066, (b) F. 28310.

Morris, J., 1845, *In* Strzelecki, P. G., de, Physical Description of New South Wales and Van Diemen's Land. *London,* p. 288, pl. 18, fig. 6 (holotype).

Fletcher, H. O., 1958. *Rec. Aust. Mus.,* 24 (10), p. 143, pl. 13, figs 1–2 (F. 43066), fig. 3 (F. 28310), figs 4–6 (F. 45348).

Permian: (Capertee Group): (a) Rylstone; (Branxton Sub-group): (b) Branxton, N.S.W.

* Holotype is specimen figured by Morris, 1845, pl. 18, fig. 6, from "Illawarra" (Gerringong Volcanics) as *Pleurotomaria subcancellata;* in British Museum (Nat. Hist.).

Warthia micromphala (Morris) non *Bellerephon micromphalus* (Dana)

Holotype*; hypotypes F. 7937, F. 8174.

Morris, J., 1845. *In* Strzelecki, P.G.de, Physical Description of New South Wales and Van Diemen's Land. *London,* p. 288, pl. 18, fig. 7 (holotype).

Fletcher, H. O., 1958. *Rec. Aust. Mus.,* 24 (10), p. 147, pl. 16, fig. 4 (F. 8174), fig. 5 (F. 7936).

Permian (Gerringong Volcanics): Wollongong, N.S.W.

* Holotype is specimen figured by Morris, 1845, pl. 18, fig. 7, from Illawarra (Gerringong Volcanics), as *Bellerephon micromphalus*; in British Museum (Nat. Hist.).

See also *Bellerephon undulatus* Dana.

Warthia perspecta Fletcher

Plastoholotype (a) L. 695*; hypotypes (b) F. 8215, F. 7931, (c) F. 39686, (d) F. 35733**.

Dana, J. D., 1849. *In* United States Exploring Expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 708, pl. 10, figs 6a–b (holotype).

Etheridge, R., 1894. *Rec. geol. Surv. N.S.W.,* 4 (1), p. 36, pl. 7, figs 10–11 (F. 35733).

Fletcher, H. O., 1958. *Rec. Aust. Mus.,* 24 (10), p. 149, pl. 15, figs 3–4 (F. 35733), figs 5–6 (F. 39686), figs 7–8 (F. 8215), figs 9–10 (L. 695).

Permian (Gerringong Volcanics): (a) Illawarra district, (b) Wollongong; (Capertee Group): (c) Rylstone, (Elderslie Formation): (d) Richmond Vale, N.S.W.

* Holotype, original of L. 695, figured as *Bellerephon micromphalus* by Dana, 1849; in U.S. National Museum, Washington, U.S.A.

** F. 25733 described and figured by Etheridge, 1894, as *Goniatites* (*Prolecanites*?) *micromphalus.*

Warthia stricta (Dana)

See *Bellerephon strictus* Dana

Worthenia sp. nov. Ratte

See *Trochonema* (?) *nodosa* Etheridge

Yvania koninckí Etheridge

Hypotype F. 50991.

Etheridge, R., 1907. *Rec. geol. Surv. N.S.W.,* 8 (3), p. 192, pl. 38, figs 2–3.

Lower Carboniferous: Goonoo Goonoo, near Tamworth, N.S.W.

Nautiloidea

Actinoceras hardmani Etheridge

= *Conostichoceras hardmani* (Etheridge)

Holotype F. 4600.

Etheridge, R., 1897. *Rec. Aust. Mus.,* 3 (1), p. 7, pl. 3, figs 1–4.

Teichert, C., 1939. *J. R. Soc. West. Aust.,* 25, p. 112, text fig. 2, pl. 1, fig. 1; pl. 2, figs 7–8.

Devonian: Lennard River, Western Kimberley District, Western Australia.

Conostichoceras hardmani (Etheridge)

See *Actinoceras hardmani* Etheridge

Cyclolituites bowningensis Etheridge

Holotype F. 28038, paratype F. 26926.

Etheridge, R., 1904. *Rec. Aust. Mus.,* 5 (2), p. 1, pl. 8, fig. 1 (F. 26926), figs 2–7 (F. 28038).

Teichert, Curt & Glenister, Brian F., 1952. *J. Paleont.,* 26 (5), p. 735. (Discussion on status of genus.)

Upper Silurian: Bowning, near Yass, N.S.W.

Nautilus (*Cymatoceras*?) *hendersoni* Etheridge

Syntype (a) F. 7122; hypotype (b) F. 10999.

Etheridge, R., 1901. *Bull. geol. Surv. Qd.*, 13, p. 34, pl. 2, figs 2–3 (F. 7122).

Etheridge, R., 1905. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 71 (Contrib. 14), p. 16, pl. 1, fig. 6 (F. 10999).

Lower Cretaceous: (a) Barcoo River Watershed, Queensland, (b) Dalhousie Springs, South Australia.

Orthoceras sp.

Figured specimen F. 35665.

Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 174, pl. 17, fig. 6.

Devonian: White Cliffs, near Wilcannia, N.S.W.

Pleuronautilus (?) *multicostatus* Etheridge

Plastoholotype L. 599.

Etheridge, R., 1907. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 55 (1906) (Contrib. 18), p. 11, pl. 6, fig. 1.

Permian (Port Keats Group): Fossil Head, Treachery Bay, Victoria River Estuary, Northern Territory.

Ammonoidea

Adrianites (*Neocrimites*) *meridionalis* Fletcher and Teichert

See *Goniatites* (*Prolecanites* ?) *micromphalus* Morris

Aleteceras (?) *axonoides* (Etheridge)

See *Crioceras axonoides* Etheridge

Aleteceras nautiloides (Etheridge)

See *Crioceras nautiloides* Etheridge

Aleteceras plectoides (Etheridge)

See *Crioceras plectoides* Etheridge

Aleteceras tardicostatum Whitehouse

Holotype F. 10529.

Whitehouse. F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 232, pl. 40, figs 1a–c.

Lower Cretaceous. (Tambo Formation): South Central Queensland.

Ammonites daintreei Etheridge (in part)

= *Boliteceras perlatum* Whitehouse.

Plastoparatype L. 951*.

Etheridge, R., 1872. *Q. Jl. geol. Soc. Lond.*, 28, p. 346, pl. 24, fig. 2 (non fig. 1).

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, *Publ. geol. Surv. Qd*, 92, p. 495, pl. 29, fig 3 (non figs 1–2).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 221.

Whitehouse, F. W., 1928. *Ibid.*, 9 (2), p. 203, pl. 28, fig. 3.

Lower Cretaceous (Tambo Formation): Hughenden, Queensland.

Species referred to genus *Haploceras* by Etheridge, 1892, and to *Beudanticeras* (?) by Whitehouse, 1926.

* Original in Queensland Museum.

Ammonites aff. *Ammonites lingulatus* Quenstedt, *teste* H. Woodward

Plastotype F. 203a.

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.*, 1 (3), p. 176, pl. 29, fig. 4.

Jurassic: Observatory Bend, Strickland River, New Guinea.

Ancyloceras (?) sp.

Figured specimen F. 10176.

Etheridge, R., 1907. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 55 (1906), (Contrib. 20), p. 16, pl. 10, figs 6–7.

Lower Cretaceous: Point Charles, Darwin, Northern Territory.

Ancyloceras (?) sp. indet.

Figured specimen F. 7095.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 46, pl. 7, figs 14 and 15.

Cretaceous: Beach below Point Charles Lighthouse, Darwin, Northern Territory.

Ancyloceras cordycepoides Etheridge

= *Appurdiceras cordycepoides* (Etheridge).

Plastoholotype L. 602*; plastoparatype L. 603*.

Etheridge, R., 1905. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 71 (Contrib. 14), p. 14, pl. 1, figs 3–5 (L. 602); pl. 2, fig. 4 (L. 603).

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 159.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 230.

Lower Cretaceous (Tambo Formation): Dalhousie Springs, South Australia.

* Original specimens in Geological Survey of South Australia.

Ancyloceras flindersi McCoy

Plastohypotype L. 444.*

Etheridge, R., 1902. *Mem. geol. Surv., N.S.W.*, Pal. 11, p. 44, pl. 8, figs 1–3 (original of L. 444).

Lower Cretaceous: Shaft on Croxon's Station, Olive Downs, near Milparinka, north-west N.S.W.

* Original No. 3234 in Geological Survey of N.S.W.

Ancyloceras flindersi McCoy

Plastoholotype L. 918

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, *Publ. geol. Surv. Qd*, 92, p. 497, pl. 33, fig. 3.

Lower Cretaceous: Landsborough Creek, Thomson River, Queensland.

Ancyloceras taylori Etheridge

= *Toxoceratoides taylori* (Etheridge)

Plastoholotype L. 597.

Etheridge, R., 1892. Ibid., p. 498, pl. 42, fig. 13 (original of L. 597).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 216.

Lower Cretaceous (Tambo Formation): Tower Hill, Landsborough River, Queensland.

Anisoceras sp.

See *Crioceras* (?) sp.

Anisoceras (?) sp.

Figured specimens L. 604–6* (plaster casts).

Etheridge, R., 1905. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 71 (Contrib. 14), p. 14, pl. 1, fig. 2 (original of L. 606); pl. 2, figs 1–2 (original of L. 604), fig. 3 (original of L. 605).

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 160.

* Original specimens in Geological Survey of South Australia.

Anisoceras sp.

Specimens F. 7115, F. 7117 (mentioned).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 230.

Lower Cretaceous (Tambo Formation): Ward River Watershed, Queensland.

See *Crioceras* (?) sp.

Appurdiceras cordycepoides (Etheridge)

See *Ancyloceras cordycepoides* Etheridge

Australiceras gracile (Sinzow)

See *Crioceras jackii* Etheridge

Australiceras irregulare (Tenison-Woods)

See *Crioceras irregulare* Tenison-Woods

Australiceras jackii (Etheridge)

See *Crioceras jackii* Etheridge

Australiceras lampros (Etheridge)

See *Crioceras lampros* Etheridge

Australiceras robustum Whitehouse

Holotype F. 7321.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 211.

Lower Cretaceous (Tambo Formation): South central Queensland.

See also *Crioceras jackii* Etheridge.

Beudanticeras (?) *daintreei* (Etheridge)

See *Ammonites daintreei* Etheridge.

Boliteceras perlatum Whitehouse

See *Ammonites daintreei* Etheridge.

Crioceras sp.

= *Myloceras davidi* Whitehouse.

Figured specimen F. 10530.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 144, pl. 38, figs 1–2.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 235.

Lower Cretaceous: Barcoo, Ward and Nive Rivers district, Queensland.

Crioceras (?) sp.

Figured specimen F. 17452.

Etheridge, R., 1907. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 55 (1906), (Contrib. 20), p. 15, pl. 9, figs 9–10.

Lower Cretaceous: Point Charles, Darwin, Northern Territory.

Crioceras (?) sp.*

Figured specimens (a) F. 3382, (b) F. 7115, F. 7117.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 163, pl. 35, fig. 2 (F. 7115); pl. 42, fig. 1 (F. 3382); pl. 46, fig. 2 (F. 7117); pl. 47, fig. 5 (F. 7115).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), pp. 226 and 228.

Lower Cretaceous (Tambo Formation): (a) Tambo, (b) Ward River Watershed, Queensland.

*= *Anisoceras* sp. (F. 7115, F. 7117).
= *Hamites* sp. (F. 3382).

Crioceras ammonoides Etheridge

= *Myloceras ammonoides* (Etheridge)

Plastoholotype (a) L. 914*; hypotype (b) F. 10995.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 151, pl. 49, figs 1–2 (holotype).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 234, pl. 41, figs 2a–b (F. 10995).

Lower Cretaceous: (a) Port Douglas, Queensland, (b) Dalhousie Springs, South Australia.

* Holotype in Geological Survey of Queensland.

Crioceras australe (Moore)

Hypotype F. 2162.

Ratte, F., 1886. *Proc. Linn. Soc. N.S.W.*, 1 (2), p. 133, plates 1–2.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 146.

Lower Cretaceous (Roma Formation): Yamba, near Rockhampton, Queensland.

Crioceras axonoides Etheridge

= *Aleteceras* (?) *axonoides* (Etheridge)

Plastoholotype L. 907*.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 150, pl. 32, fig. 4; pl. 44, fig. 1.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 233.

Lower Cretaceous (Tambo Formation): Queensland.

* Holotype in Macleay Museum, University of Sydney.

Crioceras cordycepoides Etheridge

See *Ancyloceras cordycepoides* Etheridge.

Crioceras flindersi (McCoy)*

Hypotypes (a) F. 10491, F. 10489; plastohypotypes (b) L. 716, L. 1362, L. 1889, (c) L. 912, (d) L. 908, (e) L. 923, (f) L. 924, (g) L. 922, (h) L. 547.

Etheridge, R., 1905. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 71 (Contrib. 14), p. 14, pl. 1, fig. 1 (original of L. 716); pl. 3, fig. 2 (original of L. 1362), fig. 6 (original of L. 1889).

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 153, pl. 36, fig. 2, pl. 42, fig. 2 and pl. 44, fig. 2 (original of L. 908); pl. 39, fig. 1 (original of L. 547), figs 2–3 (original of L. 924); pl. 40, figs 1–2 (original of L. 923), figs 3–4 (original of L. 922), figs 5–6 (original of L. 912); pl. 41, figs 1–2 (mislaid), fig. 3 (F. 10491); pl. 43 (F. 10489).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), pp. 236–7.

Lower Cretaceous: (a) South Central Queensland; (b) Dalhousie Springs, South Australia; (c) Cameron Downs, (d) Wellshot, (e) Mount Cornish, (f) Flinders River, (g) Saltern Creek, (h) Head of Flinders River, Queensland.

* = *Flindersites* sp.nov. Whitehouse. L. 716.

= *Flindersites baccatus* Whitehouse. L. 908 (plastoholotype); F. 10491.

= *Flindersites* aff. *baccatus* Whitehouse. L. 922.

= *Flindersites flindersi* (McCoy). L. 547, (plastoholotype).

= *Flindersites* aff. *flindersi* (McCoy). L. 924.

= *Flindersites intermedius* Whitehouse. L. 923, (plastoholotype).

Original specimens in Geological Survey of Queensland, National Museum of Victoria, Queensland Museum.

Crioceras irregulare (Tenison-Woods)

= *Australiceras irregulare* (Tenison-Woods)

Plastoholotype (a) L. 617*; plastoparatype F. 176**.

Etheridge, R., 1892, *in* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, *Publ. geol. Surv. Qd.*, 92, p. 501, pl. 33, fig. 1 (original of L. 617); pl. 42, fig. 16 (original of F. 176).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 210.

Lower Cretaceous: (a) Palmer River, (b) head of Walsh River, Queensland.

* Holotype in Macleay Museum, University of Sydney.

** Original in Geological Survey of Queensland.

Crioceras jackii Etheridge*

Hypotype (a) F. 7321; plastohypotypes L. 919, (b) L. 920, (c) F. 177, L. 917, (d) L. 916.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 145, pl. 31, figs 1–2 (original of L. 919); pl. 32, fig. 1 and pl. 33, fig. 1 (F. 7321); pl. 36, fig. 1 (original of L. 920); pl. 37, fig. 2 (original of L. 917); pl. 38, fig. 3 (original of L. 916), figs 4–5 (original of F. 177).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), pp. 209–212 (genera listed below are described*).

Lower Cretaceous (Roma Formation): (a) Central Queensland, (b) Victoria Downs, Warrego, (c) Walsh River, (d) Hughenden, Queensland.

* = *Australiceras gracile* (Sinzow). L. 917, L. 920.

= *Australiceras jackii* (Etheridge), L. 916.

= *Australiceras robustum* Whitehouse. F. 7321 (holotype).

= *Tropaeum undatum* Whitehouse. L. 919 (plastoholotype, holotype in Queensland Museum), F. 177.

rioceras lampros Etheridge
= *Australiceras lampros* (Etheridge)
Plastoholotype L. 900*.
Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 157, pl. 48, figs 1–2.
Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 212.
Lower Cretaceous (? Tambo Formation): ? Queensland.
* Holotype in Geological Survey of Queensland.

rioceras laqueus Etheridge
= *Labeceras trifidum* Whitehouse (not F. 10540)
Paratypes F. 10538, F. 10539, F. 10540.
Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 160, pl. 49, fig. 7 (F. 10539), fig. 8 (F. 10540), fig. 9 (holotype).
Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 228.
Lower Cretaceous (Tambo Formation): South Central Queensland.
Holotype in Geological Survey of Queensland.

Crioceras leptus Etheridge
= *Tropaeum leptum* (Etheridge)
Plastoholotype L. 902*; paratype F. 9149.
Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 143, pl. 30, figs 1–3 (holotype); pl. 34, fig. 2 (F. 9149).
Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 215.
Lower Cretaceous (Roma Formation): Lind River, Queensland.
* Holotype in Geological Survey of Queensland.

Crioceras nautiloides Etheridge
= *Aleteceras nautiloides* (Etheridge)
Plastoholotype L. 905*
Etheridge, R.. 1909. *Rec. Aust. Mus.*, 7 (3), p. 148, pl. 45, figs 1–2, text fig. 8.
Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 233.
Lower Cretaceous (Tambo Formation): Aramac, Queensland.
* Holotype in Geological Survey of Queensland.

Crioceras plectoides Etheridge
= *Aleteceras plectoides* (Etheridge)
Lectotype F. 7320; paralectotypes F. 10528, L. 910 (cast).
Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 152, pl. 33, fig. 2 (suture line); pl, 46, fig. 1 (F. 7320); pl. 47, figs 1–3 (original of L. 910), fig. 4 (F. 10528).
Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 232.
Lower Cretaceous (Tambo Formation): South Central Queensland.

Crioceras taylori Etheridge*
Hypotypes F. 10548, F. 10544, F. 10550
Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 162, pl. 49, fig. 3 (F. 10544), fig. 4 (F. 10548), figs 5–6 (F. 10550).
Whitehouse, F. W. 1926. *Mem. Qd Mus.*, 8 (3), p. 227.
Lower Cretaceous (Tambo (Formation): South Central Queensland.
*= *Labeceras laqueus* (Etheridge). F. 10548.
= *Labeceras bryani* Whitehouse. F. 10544, F. 10550.

Desmoceras carolensis Etheridge
Syntypes F. 17458 (three specimens)
Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 43, pl. 7, figs 2–4.
Cretaceous: Beach below Point Charles Lighthouse, Port Darwin, Northern Territory.

Flindersites baccatus Whitehouse
See *Crioceras flindersi* (McCoy)

Flindersites aff. *baccatus* Whitehouse
See *Crioceras flindersi* (McCoy)

Flindersites flindersi (McCoy)
See *Criocerus flindersi* (McCoy).

Flindersites aff. *flindersi* (McCoy)
See *Crioceras flindersi* (McCoy)

Flindersites intermedius Whitehouse
See *Crioceras flindersi* (McCoy)

Gastrioceras jacksoni Etheridge
= *Metalogoceras jacksoni* (Etheridge)
Plastoholotype L. 581.
Etheridge, R., 1907. *Bull. geol. Surv. West. Aust.*, 27, p. 36, pl. 9, figs 1–3.
Miller, A. K., 1932. *Am. J. Sci.*, 24 (5th Ser.), 144, p. 438.
Lower Permian (Holmwood Shale): Irwin River, Western Australia.

Goniatites sp. indet.
Figured specimen F. 36571.
Dun, W. S., 1898. *Rec. geol. Surv. N.S.W.*, 5 (4), p. 174, pl. 18, fig. 16.
Devonian: White Cliffs, near Wilcannia, N.S.W.

Goniatites (*Prolecanites*?) *micromphalus* Morris
= *Adrianates* (*Neocrimites*) *meridionalis* Fletcher and Teichert

Holotype F. 35732.

Etheridge, R., 1894. *Ibid.*, 4 (1), p. 36, pl. 7, figs 9, 12, 14.

Teichert, C., and Fletcher, H. O., 1943. *Rec. Aust. Mus.*, 21 (3), p. 161, pl. 11, figs 1–4.

Permian (Branxton Subgroup): Maitland Colliery Company's Shaft, near Farley, N.S.W.

Hamites sp. Whitehouse, F. W.

See *Crioceras* (?) sp.

Hamites sp. indet.

Figured specimen F. 8071.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 46, pl. 7, figs 12 and 13.

Cretaceous: Beach below Point Charles Lighthouse, Port Darwin, Northern Territory.

Hamites (?) *laqueus* Etheridge
= *Labeceras laqueus* (Etheridge)

Plastoholotype L. 598.*

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea, *Publ. geol. Surv. Qd*, 92, p. 496, pl. 42, figs 14–15.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 227.

Lower Cretaceous (Tambo Formation): Tower Hill, Landsborough River, Queensland.

* Original specimen in Queensland Museum.

Haploceras daintreei (Etheridge)
See *Ammonites daintreei* Etheridge

Histrichoceras (?) *antipodeus* Etheridge

Holotype F. 17457.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 47, pl. 7, figs 6–7.

Cretaceous: Beach below Point Charles Lighthouse, Darwin, Northern Territory.

Imitoceras aff. *rotatorium* (de Koninck)

Hypotype F. 39767.

Delepine, G., 1941. *Ann. Mag. nat. Hist.*, 7 (11th Ser.), (40), p. 390, pl. 5, figs 7–8.

Lower Carboniferous (Burindi Group): Werrie Basin, Babbinboon, N.S.W.

Inflaticeras sp.

Mentioned specimens F. 10365*, F. 10366.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 224.

Lower Cretaceous (Tambo Formation):: South Central Queensland.

* See also *Schloenbachia rostratus* Etheridge (non Sowerby).

Labeceras bryani Whitehouse

Holotype F. 10545; paratypes F. 10544*, F. 10550*.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 227, pl. 39, fig. 4 (F. 10545).

Lower Cretaceous (Tambo Formation): South Central Queensland.

* See *Crioceras taylori* Etheridge.

Labeceras cordycepoides (Etheridge)

See *Ancyloceras cordycepoides* (Etheridge)

Labeceras laqueus (Etheridge)

Plastoholotype (a) L. 598; hypotype (b) F. 10548.

Whitehouse, F. W., 1926. *Ibid.*, p. 227.

Lower Cretaceous (Tambo Formation): (a) Tower Hill, Landsborough River, (b) South Central Queensland.

See *Crioceras taylori* Etheridge. (F. 10548).

See *Hamites* (?) *laqueus Etheridge.* (L. 598).

Labeceras trifidum Whitehouse

Paratypes F. 10538, F. 10539.

Whitehouse, F. W., 1926. *Ibid.*, p. 228.

Lower Cretaceous (Tambo Formation): South Central Queensland.

See *Crioceras laqueus* Etheridge.

Metacanthoplites rhotomagensis (Brongniart)

Plastohypotypes L. 714, L. 715, L. 601.

Etheridge, R., 1907. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 55 (1906) (Contrib. 22), p. 18, pl. 10, fig. 1 (original of L. 714); pl. 11, figs 1–2 (original of L. 715); pl. 12, fig. 1 (original of L. 601).

Cretaceous: Maclear Creek, Cape Gambier, Melville Island.

Metalogoceras jacksoni (Etheridge)

See *Gastrioceras jacksoni* Etheridge

Munsteroceras sp.

Figured specimen F. 39768.

Delepine, G., 1941. *Ann. Mag. nat. Hist.*, 7 (11th Ser.), (40), p. 391, pl. 5, fig. 9.

Carboniferous (Burindi Group): Werrie Basin, Babbinboon, N.S.W.

Myloceras ammonoides (Etheridge)

See *Crioceras ammonoides* Etheridge

Myloceras davidi Whitehouse

See *Crioceras* sp.

Myloceras orbiculus Whitehouse

Holotype F. 15050.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 235, pl. 41, figs 1a–b.

Lower Cretaceous (Tambo Formation): Beaconsfield, Queensland.

Nautellipsites (?) sp

Figured specimen F. 39769.

Delepine, G., 1941. *Ann. Mag. nat. Hist.*, 7 (11th Ser.), (40), p. 392, pl. 5, figs 10–12.

Lower Carboniferous (Burindi Group): Werrie Basin, Babinboon, N.S.W.

Perisphinctes kayseri Etheridge (non Neumayr and Uhlig)

= **Simbirskites morvenae* Whitehouse

Plastoholotype L. 906.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 238, pl. 68.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 200.

Whitehouse, F. W., 1927. *Ibid.*, 9 (1), p. 111.

Lower Cretaceous (Roma Formation): Victoria Downs, Morven, Queensland.

* Holotype in Queensland Museum.

Prohysteroceras angolaense (Boule, Lemoine and Thevenin)

See Schloenbachia rostratus Etheridge (non Sowerby)

Prohysteroceras richardsi Whitehouse

See *Schloenbachia rostratus* Etheridge (non Sowerby)

Prohysteroceras richardsi var. *nitidum* Whitehouse

See *Schloenbachia rostratus* var. *antipodeus* Etheridge

Protocanites australis Delepine

Holotype F. 39766.

Delepine, G., 1941. *Ann. Mag. nat. Hist.*, 7 (11th Ser.), (40), p. 389, pl. 5, figs 4–6, text figs 3–4.

Lower Carboniferous (Burindi Group): Werrie Basin, Babbinboon, N.S.W.

Protocanites lyoni Meek and Worthen

Hypotypes F. 39763–65.

Delepine, G., 1941. *Ibid.*, p. 387, pl. 5, fig. 1 (F. 39764), fig. 2 (F. 39765), fig. 3 (F. 39763).

Lower Carboniferous (Burindi Group): Werrie Basin, Babinboon, N.S.W.

Ptychoceras (?) *closteroides* Etheridge

Syntypes F. 8800, F. 7974.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 110, pl. 15, fig. 6 (F. 7974), figs 7–8 (F. 8800).

Cretaceous: Near Point Charles Lighthouse, Darwin, Northern Territory.

Sanmartinoceras fontinale (Hudleston)

Hypotype F. 7304.

Whitehouse, F. W., 1927. *Mem. Qd Mus.*, 9 (1), p. 116, pl. 17, fig. 3.

Lower Cretaceous: South Central Queensland.

Scaphites eruciformis Etheridge

Holotype F. 17451; hypotype F. 8824.

Etheridge, R., 1902. *Mem. R. Soc. S. Aust.*, 2 (1), p. 45, pl. 7, figs 10–11 (F. 17451).

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 112, pl. 14, fig. 10, pl. 15, fig. 10 (F. 8824).

Cretaceous: Near Point Charles Lighthouse, Darwin, Northern Territory.

Schloenbachia rostratus Etheridge* (non Sowerby)

Hypotypes F. 10373, F. 10368, F. 10365, F. 10364.

Etheridge, R., 1909. *Ibid.*, 7 (4), p. 235, pl. 65 (F. 10373); pl. 66, fig. 1 (F. 10368), fig. 2 (F. 10365); pl. 67, fig. 1 (F. 10364), fig. 2 (F. 10365).

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, pp. 222–4.

Lower Cretaceous (Tambo Formation): South Central Queensland.

*= *Prohysteroceras angolaense* (Boule, Lemoine and Thevenin), (F. 10373, F. 10368).

= *Prohysteroceras richardsi* Whitehouse (F. 10364, paratype).

= *Inflaticeras* sp. (F. 10365).

Schloenbachia rostratus var. *antipodeus* Etheridge

= *Prohysteroceras richardsi* var. *nitidum* Whitehouse.

Holotype F. 10371.

Etheridge, R., 1909. *Rec. Aust. Mus.*, 7 (3), p. 237, pl. 67, figs 3–4.

Whitehouse, F. W., 1926. *Mem. Qd Mus.*, 8 (3), p. 223, pl. 36, fig. 3.

Lower Cretaceous (Tambo Formation): South Central Queensland.

Simbirskites spp. nov

See *Perisphinctes kayseri* Etheridge (non Neumayr and Uhlig)

Simbirskites morvenae Whitehouse

See *Perisphinctes kayseri Etheridge* (non Neumayr and Uhlig)

Stephanoceras aff. *S. blagdeni* Sowerby

Plastohypotype F. 203c.

Etheridge, R., 1890. *Rec. geol. Surv. N.S.W.*, 1 (3), p. 175, pl. 29, fig. 2.

Jurassic: Observatory Bend, Strickland River, New Guinea.

Stephanoceras aff. *S. calloviensis* Sowerby

Plastohypotype F. 203b

Etheridge, R., 1890. *Ibid.*, 1 (3), p. 175, pl. 29, fig. 5.

Jurassic: Observatory Bend, Strickland River, New Guinea.

Stephanoceras aff. *S. lamellosus* Sowerby

Plastohypotypes F. 203d, F. 203e

Etheridge, R., 1890. *Ibid.*, 1 (3), p. 175, pl. 29, fig. 1 (F. 203d), fig. 3 (F. 203e).

Jurassic: Observatory Bend, Strickland River, New Guinea.

Toxoceratoides taylori (Etheridge)

See *Ancyloceras taylori* Etheridge

Tropaeum leptum (Etheridge)

See *Crioceras leptus* Etheridge

Tropaeum undatum Whitehouse

See *Crioceras jackii* Etheridge

Annelida

Ditrypa australis Bretnall

Holotype F. 17609; paratype F. 17605

Bretnall, R. W., 1921. *Rec. Aust. Mus.*, 13 (4), p. 156, text fig. 2 (F. 17609).

? Tertiary: Twenty fathoms between Cairns and Endeavour Reefs, Queensland.

Ditrypa brazieri Bretnall

Paratypes F. 17606–07*

Bretnall, R. W., 1921. *Ibid*, p. 156.

? Tertiary: Ten fathoms off York Island, Torres Straits.

* Holotype in Macleay Museum, University of Sydney.

Serpula testatrix Etheridge

Holotype F. 35462

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 120, pl. 18, figs 4–5.

Permian (Maitland Group): Two miles north-west of Mount Vincent, near East Maitland, N.S.W.

Spirulaea gregaria Etheridge

Holotype F. 10345.

Etheridge, R., 1907. *Rec. Aust. Mus.*, 6 (5), p. 318, pl. 57; pl. 60, figs 1–3.

Lower Cretaceous: South Central Queensland.

Branchiopoda

Cyclestherioides lenticularis (Mitchell)

Holotype F. 25489

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 109, pl. 3, fig. 7.*

Raymond, P. E., 1946. *Bull. Mus. comp. Zool. Harv.*, 96 (3), p. 275, pl. 5, fig. 3.

Kobayashi, T., 1954. *J. Fqc. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 134.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

* Described as species of *Estheria.*

Discoleaia discoidalis (Mitchell).

Holotype F. 25419*; paratype F. 25422

Mitchell, 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 441, pl. 41, fig. 6 (F. 25422); pl. 43, fig. 22 (F. 25419).

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 141, text fig. 30f (F. 25419).

Permian (Newcastle Coal Measures): Chert quarry, near Belmont, N.S.W.

* Designated by Kobayashi (p. 142); specimen on slab with other species.

Described by Mitchell as species of *Leaia.*

Estheria sp.

Figured specimens (a) F. 35720, F. 35721–23, (b) F. 35719

Etheridge, R., 1888. *Mem. geol. Surv. N.S.W.*, Pal. 1, p. 7, pl. 1, fig. 6 (F. 35720), fig. 7 (F. 35721), fig. 8 (F. 35723), fig. 9 (F. 35722), fig. 10 (F. 35719).

Triassic: (a) Dent's Creek Bore, Holt-Sutherland Estate, George's River; (b) Narrabeen Bore, Sydney, N.S.W.

Estheria (?) *bellambiensis* Mitchell

See *Lioestheria bellambiensis* (Mitchell).

Estheria belmontensis Mitchell

See *Lioestheria* (?) *belmontensis* (Mitchell)

Estheria coghlani Etheridge

See *Euestheria coghlani* (Etheridge)

Estheria glabra Mitchell

See *Estheriina glabra* (Mitchell)

Estheria glenleensis Mitchell

See *Estheriina glenleensis* (Mitchell)

Estheria ipsviciensis Mitchell

See *Euestheria* (?) *ipsviciensis* (Mitchell)

Estheria lata Mitchell

See *Euestheria lata* (Mitchell)

Estheria lenticularis Mitchell

See *Cyclestherioides lenticularis* (Mitchell)

Estheria linguiformis Mitchell

See *Estheriina linguiformis* (Mitchell)

Estheria cf *mangaliensis* Jones

Figured specimen F. 35740.

Dun, W. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), pl. 50, fig. 6*.

Lower Triassic: Benelong, near Dubbo, N.S.W.

* Figured only, not described.

Estheria novocastrensis Mitchell

See *Euestheria novocastrensis* (Mitchell)

Estheria obliqua Mitchell

See *Euestheria* (?) *obliqua* (Mitchell).

Estheria trigonellaris Mitchell.

See *Euestheria trigonellaris* (Mitchell)

Estheria wianamattensis Mitchell

See *Euestheria wianamattensis* (Mitchell)

Estheriina glabra (Mitchell)

Syntyes F. 25475, (?) F. 35486.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 110, pl. 4, fig. 2 (F. 25475), fig. 3 (?F. 25486).

Raymond, P. E., 1946. *Bull. Mus. comp. Zool, Harv.*, 96 (3), p. 264.*

Kobayashi, T., 1954. *J. Fac. Sci. Univ. Tokyo*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Described by Mitchell as species of *Estheria.*

* Species referred to genus *Palaeolimnadia.*

Estheriina gleneensis (Mitchell)

Holotype F. 25482.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 108, pl. 2, fig. 6.

Raymond, P. E., 1946. *Bull Mus. comp. Zool. Harv.*, 96 (3), p. 265.*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*. sec. 2, 5 (7), p. 110.

Triassic (Wianamatta Group): Cutting on Great Southern Railway, near Glenlee Homestead, N.S.W.

Described by Mitchell as species of *Estheria.*

* Species referred to genus *Palaeolimnadia.*

Estheriina linguiformis (Mitchell)

Holotype mislaid.

Estherites wianamattensis (Mitchell)

Syntypes F. 25487, F. 25490.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 108, pl. 2, fig. 7 (F. 25487), fig. 8 (F. 25490).

Raymond, P. E., 1946. *Bull. Mus. comp. Zool. Harv.*, 96 (3), p. 263, pl. 3, fig. 7 (F. 25487), fig. 8 (F. 25490).*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 110.

Triassic (Wianamatta Group): Cutting on Great Southern Railway, near Glenlee Homestead, N.S.W.

Described by Mitchell as species of *Estheria.*

* Species referred to genus *Palaeolimnadia.*

Euetheria (?) *coghlani* (Etheridge)

Syntypes (a-b)*; hypotypes (c) F. 25474, F. 25483, F. 25492

Cox, J. C., 1881. *Proc. Linn. Soc. N.S.W.*, 5 (3), p. 276 (Nomen nudum).

Etheridge, R., 1888. *Mem. geol. Surv. N.S.W.*, Pal. 1, p. 6, pl. 1, figs 1–5 (Drawings of Cox's original type material).

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 106, pl. 2, fig. 3 (F. 25492), fig. 4 (F. 25483), fig. 5 (F. 25474).

Raymond, P. E., 1946. *Bull. Mus. comp. Zool. Harv.*, 96 (3), p. 264.**.. .. ...

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 110.

Triassic (Wianamatta Group): (a) Dent's Creek Bore, Holt-Sutherland Estate, George's River; (b) Cremorne Bore, Sydney; (c) Glenlee, N.S.W.

* Syntypes lost and known only from drawings reproduced by Etheridge.

** Species referred to genus *Palaeolimnadia.*

Euestheria (?) *ipsviciensis* (Mitchell)

Syntype F. 25488 (original No. 55).

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 107, pl. 3, fig. 1 (F. 25488), figs 2–4 (specimens in Geol. Surv. Brisbane).

Raymond, P. E., 1946. *Bull. Mus. comp. Zool.*, 96 (3), p. 255.*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 110.

Upper Triassic: Denmark Hill, Ipswich, Queensland.

Described by Mitchell as species of *Estheria.*

* Species referred to genus *Pseudestheria.*

Euestheria (?) *lata* (Mitchell)

Syntypes F. 25472 (two specimens on same slab).

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 110, pl. 3, figs 8–9.

Raymond, P. E., 1946. *Bull. Mus. comp. Zool.* Harv., 96 (3), p. 252.*

Kobayashi, T., 1954, *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

Described by Mitchell as species of *Estheria.*

* Species referred to genus *Pseudestheria.*

Euestheria (?) *novocastrensis* (Mitchell)

Holotype F. 25470; paratype F. 25469.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 109, pl. 3, fig. 5 (F. 25470), fig. 6 (F. 25469).

Raymond, P. E., 1946. *Bull. Mus. comp. Zool.* Harv., 96 (3), p. 252.*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

Described by Mitchell as a species of *Estheria.*

* Species referred to *Pseudestheria.*

Euestheria (?) *obliqua* (Mitchell)

Holotype F. 25481.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 109, pl. 4, fig. 1.

Raymond, P. E., 1946. *Bull Mus. comp. Zool. Harv.*, 96 (3), p. 253*.

Kobayashi, T., 1954. *J. Fac. Sci., Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

Described by Mitchell as a species of *Estheria.*

* Species referred to genus *Pseudestheria* (?).

Euestheria (?) *trigonellaris* (Mitchell)

Holotype F. 25484.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 109, pl. 4, fig. 6.

Raymond, P. E., 1946. *Bull Mus. comp. Zool., Harv.*, 96 (3), p. 252*.

Kobayashi, T., 1954. *J. Fac. Sci., Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

Described by Mitchell as a species of *Estheria.*

* Species referred to genus *Pseudestheria.*

Leaia sp. indet. Mitchell

See *Trileaia etheridgei* Kobayashi

Leaia sp. indet. Mitchell

See *Trileaia sulcata* Kobayashi

Leaia sp. indet. Mitchell

See *Monoleiolophus* (?) sp. indet

Leaia belmontensis Mitchell

See *Trileaia belmontensis* (Mitchell)

Leaia collinsi Mitchell

Holotype F. 25421.

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 446, pl. 43, fig. 16.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

Leaia compta Mitchell

Holotype F. 25421.

Mitchell, J., 1925. *Ibid.*, p. 444, pl. 42, fig. 14.

Permian (Newcastle Coal Measures): Merewether Beach, Newcastle, N.S.W.

Leaia discoidea Mitchell

See *Discoleaia discoidalis* (Mitchell)

Leaia elliptica Mitchell

Holotype F. 25463.

Mitchell, J., 1925. *Ibid.*, p. 443, pl. 42, fig. 10.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

Leaia intermediata Mitchell

See *Trileaia intermedia* (Mitchell)

Leaia latissima Mitchell

Holotype F. 25466.

Mitchell, J., 1925. *Ibid.*, p. 444, pl. 42, fig. 11.

Permian (Newcastle Coal Measures): Near Belmont, N.S.W.

Leaia mitchelli Etheridge

See *Trileaia mitchelli* (Etheridge)

Leaia oblongata Mitchell

Syntypes F. 25423, F. 25420.

Mitchell, J., 1925. *Ibid.*, p. 441, pl. 41, fig. 5 (F. 25423); pl. 43, fig. 18 (F. 25420).

Kobayashi, T., 1954. *J. Fac. Sci., Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Leaia paraleidyi Mitchell

Holotype F. 25454.

Mitchell, J., 1925. *Ibid.*, p. 442, pl. 41, fig. 8.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

Leaia pincombei Mitchell

Holotype F. 25449.

Mitchell, J., 1925. *Ibid.*, p. 443, pl. 42, fig. 9.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

Leaia quadrata Mitchell

Holotype ? F. 25468.

Mitchell, J., 1925. *Ibid.*, p. 446, pl. 43, fig. 17.

Permian (Newcastle Coal Measures): Chert quarry, Belmont, N.S.W.

Leaia quadriradiata Mitchell

See *Quadrileaia quadricarinata* (Mitchell)

Lioestheria bellambiensis (Mitchell)

Syntypes F. 25479—counterpart F. 25485, F. 26384.

Mitchell, J., 1927. *Ibid.*, 52 (2), p. 111, pl. 4, fig. 7 (F. 25479), fig. 8 (F. 26384).

Kobayashi, T., 1954. *J. Fac. Sci., Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Illawarra Coal Measures): North side of railway line connecting South Bulli (Bellambi) Colliery with the staiths at Bellambi roadstead, N.S.W.

Lioestheria (?) *belmontensis* (Mitchell)

Holotype F. 25473.

Mitchell, J., 1927. *Proc. Linn. Soc. N.S.W.*, 52 (2), p. 110, pl. 4, fig. 5.

Raymond, P. E., 1946. *Bull. Mus. comp. Zool., Harv.*, 96 (3), p. 252*.

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 109.

Permian (Newcastle Coal Measures): Chert quarry, near Belmont, N.S.W.

Described by Mitchell as a species of *Estheria.*

* Species referred to genus *Pseudestheria.*

Monoleiolophus (?) sp. indet

Figured specimen F. 25419.

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), pl. 42, fig. 13*.

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ., sect.* 2, 5 (7), p. 141.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

* Figured only—*Leaia* sp. indet.

Palaeolimnadia coghlani (Etheridge)

See *Euestheria* (?) coghlani (Etheridge)

Palaeolimnadia glabra (Mitchell)

See *Estheriina glabra* (Mitchell)

Palaeolimnadia glenleensis (Mitchell)

See *Estheriina glenleensis* (Mitchell)

Palaeolimnadia (?) *linguiformis* (Mitchell)

See *Estheriina linguiformis* (Mitchell)

Palaeolimnadia wianamattensis (Mitchell)

See *Estherites wianamattensis* (Mitchell)

Pseudestheria belmontensis (Mitchell)

See *Lioestheria* (?) *belmontensis* (Mitchell)

Pseudestheria ipsviciensis (Mitchell)

See *Euestheria* (?) *ipsviciensis* (Mitchell)

Pseudestheria lata (Mitchell)

See *Euestheria lata* (Mitchell)

Pseudestheria novocastrensis (Mitchell)

See *Euestheria* (?) *novocastrensis* (Mitchell)

Pseudestheria (?) *obliqua* (Mitchell)

See *Euestheria* (?) *obliqua* (Mitchell)

Pseudestheria trigonellaris (Mitchell).

See *Euestheria* (?) *trigonellaris* (Mitchell)

Quadrileaia quadricarinata (Mitchell)

Holotype F. 25465.

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 441, pl. 41, fig. 7.*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 144, text fig. 30k.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

* Described by Mitchell as *Leaia quadriradiata.*

Trileaia belmontensis (Mitchell)

Holotype F. 25429.

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 445, pl. 42, fig. 15*.

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 144, text. fig. 301.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

* Described by Mitchell as a species of *Leaia.*

Trileaia etheridgei Kobayashi

Holotype F. 25427.

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 446, pl. 43, fig. 21.*

Kobayashi, T., 1954. *J. Fac. Sci., Tokyo Univ., sect.* 2, 5 (7), p. 144.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

* Described as *Leaia* sp. indet.

Trileaia intermedia (Mitchell)

Syntypes F. 25459 (two specimens on same slab).

Mitchell, J., 1925. *Proc. Linn. Soc. N.S.W.*, 50 (4), p. 440, pl. 41, figs 3–4.*

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 144.

Permian (Newcastle Coal Measures): Chert quarry near Belmont, N.S.W.

* Described as *Leaia intermediata.*

Trileaia mitchelli (Etheridge)

Syntypes ? F. 25460, F. 25442; hypotypes F. 25430, F. 25487, F. 25426.

Etheridge, R., 1892. *Proc. Linn. Soc. N.S.W.*, 7 (Ser. 2), p. 307, text figs (? F. 25460 and ? F. 25442).

Mitchell, J., 1925. *Ibid.*, 50 (4), p. 440, pl. 41, fig. 1 (F. 25487), fig. 2 (F. 25430); pl. 43, fig. 19 (F. 25426).

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ., sect.* 2, 5 (7), p. 145.

Permian (Newcastle Coal Measures): Belmont, N.S.W.

Described by Etheridge and recorded by Mitchell as *Leaia mitchelli.*

Trileaia sulcata Kobayashi

Holotype F. 25461.

Mitchell, J., 1925. *Proc. Linn. Soc., N.S.W.*, 50 (4), p. 446, pl. 43, fig. 20.

Kobayashi, T., 1954. *J. Fac. Sci. Tokyo Univ.*, sect. 2, 5 (7), p. 144.

Permian (Newcastle Coal Measures): Chert quarry, near Belmont, N.S.W.

Described by Mitchell, 1925, as *Leaia* sp. indet.

Ostracoda

Beyrichia kloedeni McCoy, var. *tuberculata* Salter

Hypotype F. 46751 (No. 6).

Chapman, F., 1920. *Rec. geol. Surv. N.S.W.*, 9 (2), p. 101, pl. 17, fig. 7.

? Silurian: 10 miles E.S.E. of Fifield, N.S.W.

Beyrichia mesozoica Chapman

Holotype AM. 3762 (part).

Chapman, F., 1909. *Ibid.*, 8 (4), p. 335, pl. 54, figs 1a–b.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale-Kurrajong Road, N.S.W.

(?) *Cytheridea* cf. *moorei* Jones

Figured specimen AM. 3762 (part).

Chapman, F., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 336, pl. 44, fig. 3.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale-Kurrajong Road, N.S.W.

(?) *Darwinula australis* Chapman

Holotype AM. 3762 (part).

Chapman, F., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 336, pl. 54, figs 2a-b.

Lovering, J., 1953. *Aust. J. Sci.*, 15 (4), p. 173.

Upper Triassic (Wianamatta Group): Grose Vale—Kurrajong Road, N.S.W.

Jonesina etheridgei Chapman

Holotype F. 35744 (No. 20).

Chapman, F., 1920. *Rec. geol. Surv. N.S.W.*, 9 (2), p. 104, pl. 17, fig. 11.

Permian (Branxton Subgroup): Maitland Colliery Shaft, near Farley, N.S.W.

Kloedinia australis Chapman

Holotype F. 46750 (No. 1).

Chapman, F., 1920. *Ibid.*, p. 100, pl. 16, fig. 6.

? Silurian: 10 miles E.S.E. of Fifield, N.S.W.

Kloedinia fifieldensis Chapman

Holotype F. 46751 (No. 8).

Chapman, F., 1920. *Ibid.*, p. 99, pl. 16, fig .5.

? Silurian: Parish Gillenbine, County Cunningham, 10 miles E.S.E. of Fifield, N.S.W.

Leperditia prominens Chapman

Syntypes (a) F. 35744 (No. 17), (b) F. 35742 (No. 13).

Chapman, F., 1920. *Ibid.*, p. 102, pl. 17, fig. 8 (F. 35744), fig. 9 (F. 35742).

Permian (Branxton Subgroup): (a) Maitland Colliery Shaft, near Farley; (b) Caledonia Shaft, Cessnock, N.S.W.

Primitia duni Chapman

Holotype F. 35742 (No. 15).

Chapman, F., 1920. *Ibid.*, p. 103, pl. 17, fig. 10.

Permian (Branxton Subgroup): Caledonia Shaft, Cessnock, N.S.W.

Primitia elongata var. *parallela* Chapman

Syntypes F. 46751 (Nos 3–5).

Chapman, F., 1920. *Ibid.*, p. 98, pl. 16, figs 1–3.

? Silurian: Parish Gillenbine, County Cunningham, 10 miles E.S.E. of Fifield, N.S.W.

Primitia cf. *mundula* (Jones)

Figured specimen F. 46751 (No. 7).

Chapman, F., 1920. *Ibid.*, p. 99, pl. 16, fig. 4.

? Silurian: Parish Gillenbine, County Cunningham, 10 miles E.S.E. of Fifield, N.S.W.

›poda

raetoicus wianamattensis Chilton

See *Protamphisopus wianamattensis* (Chilton)

›tamphisopus wianamattensis (Chilton)

Syntype F. 16970 (Original No. 236).

Chilton, C., 1917. *J. Proc. R. Soc. N.S.W.*, 51, p. 375, text figs 5–7.*

Nicholls, G. E., 1942 (1943). *Pap. Proc. R. Soc. Tasm.*, p. 111.

Triassic (Wianamatta Group): St Peters, near Sydney, N.S.W.

* Described as species of *Phraetoicus.*

ecapoda

ioploclytia terra-reginae Etheridge

Holotype F. 15131.

Etheridge, R., 1914. *Rec. Aust. Mus.*, 10 (9), p. 271, pl. 23, figs 1–2; pl. 24, fig. 1.

Cretaceous (Tambo Formation): Barcoo River Watershed, South Central Queensland.

emiplax latifrons Haswell

Hypotype F. 16492.

Etheridge, R., 1916. Ibid., 11 (1), p. 13, pl. 4, figs 4–5.

Sub-Recent: Estuarine deposit, Yarra Delta, Melbourne, Victoria.

'omalopsis etheridgei (Woodward)

Hypotype F. 16392—counterpart F. 16393.

Etheridge, R., 1917. *Publs. geol. Surv. Qd*, 260, p. 5, pl. 1, fig. 1.*

van Straelen, V., 1928. *Bull. Acadr. Belg. Cl. Sci., Ser.* 5, 14, p. 619.

Cretaceous (Tambo Formation): Beaconsfield, near Longreach, Queensland.

* Described as species of genus *Prosopon.*

Macrophthalmus depressus Ruppell

Hypotype F. 4142.

Etheridge, R., 1916. *Rec. Aust. Mus.*, 11 (1), p. 13, pl. 5, figs 1–2.

Sub-Recent: Beach deposit at Townsville, Queensland.

Macrophthalmus serratus Adams and White

Hypotype F. 14222.

Etheridge, R., 1916. *Ibid.*, p. 11, pl. 4, figs 1–2.

Sub-Recent: Ocean Beach, Stradbroke Island, Queensland.

Macrophthalmus setosus Milne Edwards

Hypotype F. 2099.

Etheridge, R., 1916. *Ibid.*, p. 12, pl. 5, figs 4–5.

Sub-Recent: Newcastle, N.S.W.

Paracyclois grandispinis Etheridge

Holotype F. 15638

Etheridge, R., 1916. *Ibid.*, p. 8, pl. 2, fig 3; text fig. 1.

Sub-Recent: Estuarine deposit, Yarra Delta, Melbourne, Victoria.

Prosopon etheridgei Woodward

See *Homalopsis etheridgei* (Woodward)

Sesarma smithii Milne Edwards

Hypotypes F. 4015a and b

Etheridge, R., 1916. *Ibid.*, p. 11, pl. 3, fig. 1 (F. 4015a), fig. 2 (F. 4015b).

Sub-Recent: Casuarina Island, Fitzroy River, Queensland.

Xiphosura

Austrolimulus fletcheri Riek

Holotype F. 38274—counterpart F. 38275

Riek, E. F., 1955. *Rec. Aust. Mus.*, 23 (5), p. 281, pl. 13, figs 2 and 4 (F. 38274), figs 1 and 3 (F. 38275).

Triassic (Hawkesbury Sandstone): Beacon Hill quarry, Brookvale, near Sydney, N.S.W.

Archaeostraca

Lingulocaris maccoyi Etheridge

See *Rhinopterocaris maccoyi* (Etheridge)

Rhinopterocaris maccoyi (McCoy)

Syntypes (a) F. 46125, (b) 46126–27

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.*, 3 (1), p. 5, pl. 4, fig. 1 (F. 46127), fig. 2 (F. 46126), fig. 3 (mislaid), fig. 4 (F. 46125).*

Chapman, F., 1903. *Proc. R. Soc. Vict.*, 15 (New Ser.), (1), p. 114

Lower Silurian: (a) Bendigo, (b) Baynton's, Campaspe River, Victoria.

* Described as species of genus *Lingulocaris.*

Trilobitoidea

Synaustrus brookvalensis Riek

Holotype F. 30953; paratypes F. 30969, F. 52342

Riek, E. F., 1964. *Rec. Aust. Mus.*, 26 (13), p. 328, pl. 35, fig. 1 (F. 30953), figs 2–3 (F. 52342); text fig. 1 (F. 30969), text fig. 2 (F. 52342).

Triassic (Hawkesbury Sandstone): Beacon Hill quarry, Brookvale, near Sydney, N.S.W.

Trilobita

Acidaspis near *A. domitzeri* Ratte (non Corda)
See *Odontopleura parvissima* Etheridge and Mitchell

Acidaspis near *A. mira* Ratte (non Barrande)
= *Dicranurus longispinus* (Mitchell)
Figured specimens F. 1515, F. 36200
Ratte, F., 1886. *Proc. Linn. Soc. N.S.W.*, 1 (4), p. 1069, pl. 15, fig. 13 (F. 36200), fig. 14 (F. 1515).
Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 715.
Upper Silurian: Bowning, N.S.W.
See also *Acidaspis longispina* Mitchell.

Acidaspis near *A. prevosti* Ratte (non Barrande)
= *Odontopleura jenkinsi* Etheridge and Mitchell*
= *Ceratocephala vogdesi* Etheridge and Mitchell**
Figured specimens F. 36199*, F. 2490.**
Ratte, F., 1886. *Ibid.*, 1 (4), p. 1069, pl. 15, fig. 12 (F. 36199), fig. 11 (F. 2490).
Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), pp. 706–7.
Upper Silurian: Bowning, N.S.W.

Acidaspis longispinis Mitchell
= *Dicranurus longispinus* (Mitchell)
Syntypes F. 27967, F. 27719, F. 27737, F. 27756, F.27975, F. 27985
Mitchell, J., 1888. *Ibid.*, 3 (1), p. 397, pl. 16, of Vol. 2 (2), fig. 7 (F. 27967), fig. 8 (F. 27975), fig. 9 (F. 27756), fig. 10 (F. 27737), fig. 11 (missing), fig. 12 (F. 27719).
Etheridge, R., and Mitchell, J., 1896.* *Ibid.*, 10 (4), p. 715, pl. 53, fig. 10 (F. 27975); pl. 54, fig. 1 (F. 27719), fig. 2 (F. 27967), fig. 3 (F. 27985), fig. 4 (F. 27756), fig. 5 (F. 27737).
Gill, E. D., 1947. ** *Proc. R. Soc. Vict.*, 59 (1), p. 12, pl. 3, fig. 4 (F. 27967—designated as holotype).
Upper Silurian (Bowning Series): Bowning Village, County Harden, N.S.W.
* Described as *Ceratocephala longispina* (Mitchell).
** Described as *Dicranurus longispinus* (Mitchell).
See also *Acidaspis* near *A. mira* Ratte (non Barrande).

Acidaspis verneuili Ratte (non Barrande) or *A. vesiculosa* Ratte (non Beyrich)
= *Ceratocephala vogdesi* Etheridge and Mitchell
Figured specimens F. 1516, F. 2171, F. 27064
Ratte, F., 1886. *Proc. Linn. Soc. N.S.W.*, 1 (4), p. 1066, pl. 15, fig. 5 (F. 1516), fig. 5 bis (F. 27064), figs 6–8 (F. 1516), fig. 9 (?), fig. 10 (F. 2171), figs 11–13 (mislaid).
Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 707.
Upper Silurian: Bowning, N.S.W.
See also *Ceratocephala vogdesi* Etheridge and Mitchell.

Adastocephalum teleotypicum Mitchell
Holotype F. 27250.
Mitchell, J., 1919. *Ibid.*, 44 (2), p. 447, pl. 16, figs 1–2.
Upper Silurian: near Bowning Railway Station, Parish of Bowning, County Harden, N.S.W.

Agnostus elkedraensis Etheridge
= *Peronopsis elkedraensis* (Etheridge)
Holotype F. 9138—counterpart F. 54188
Etheridge, R., 1902. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.* (Contrib. 13), p. 3, pl. 2, figs 1–4.
Whitehouse, F. W., 1936. *Mem. Qd Mus.*, 11 (1), p. 88, pl. 9, figs 3–4.
Cambrian (Dinesus Stage): Fossil Hill, 40 miles southeast of Elkedra, Northern Territory.
Named *Diplorrhina elkedraensis* (Etheridge) by Whitehouse, 1936.

Amphion ? brevispinus Etheridge
Holotype F. 2833.
Etheridge, R., 1895–6. *Rep. Secr. Mines Tasm.*, p. 44, pl. —, fig. 9.
Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.*, p. 36, pl. —, fig. 9.
Silurian (Despatch Limestone): Zeehan, Tasmania.

Asaphus sp. indet.
Figured specimen F. 2834.
Etheridge, R., 1895–6. *Rep. Secr. Mines Tasm.*, p. 43, pl. —, fig. 3.
Etheridge, R., 1895–6. *Pap. Proc. R. Soc. Tasm.*, p. 43, pl. —, fig. 3.
Silurian (Despatch Limestone): Zeehan, Tasmania.

saphus (*Basilicus* ?)

Figured specimen F. 7015.

Etheridge, R., 1894. Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, 25 (Contrib. 7), p. 24, pl. 3, fig. 3.

Ordovician: Tempe Downs, Northern Territory.

saphus (*Megalaspis*) *howchini* Etheridge

Holotype F. 7014.

Etheridge, R., 1894. *Ibid.*, p. 23, pl. 3, fig. 1.

Ordovician: Tempe Downs, Northern Territory.

lustralosutura gardneri (Mitchell)

Lectotype F. 26974; hypotypes F. 27949, F. 26476, F. 25593, F. 44640.

Amos, A. J., Goldring, R., and Campbell, K. S. W., 1960. *Palaeontology*, 3 (2), p. 230, pl. 40, figs 1–3 (F. 44640), fig. 4 (F. 26974), figs 5–9 (F. 26476), fig. 10*, fig. 11 (F. 26476), figs 13–15*, fig. 16 (F. 25593), fig. 17 (F. 26476a), figs 18–20 (F. 27949).

Carboniferous (Upper Burindi Group): Brambles Farm, Myall Lakes, Eurenderee, Gloucester. Shore of Lake Boolambayt near grid reference 341812, Port Stephens, 1 inch: 1 mile Military Sheets, N.S.W.

See also *Cordania gardneri* Mitchell.

* Specimens figured on pl. 40, figs 10, 13, 14, and 15 were destroyed by fire.

Bounyongia bowningensis Etheridge and Mitchell

Syntypes F. 35972, F. 35973.

Etheridge, R., and Mitchell, J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (3), p. 498, pl. 26, fig. 12 (F. 35972), fig. 13 (F. 35973); pl. 27, fig. 14 (F. 25972).

Gill, E. D., 1947. *Proc. R. Soc. Vict.*, 59 (1), p. 18.

Upper Silurian: Bowning Creek, Parish Bowning, County Harden, N.S.W.

Bronteus angusticaudatus Etheridge and Mitchell

Plastosyntype F. 29476.

Etheridge, R., and Mitchell, J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (3), p. 502, pl. 26, fig. 9 (F. 29476), fig. 10 (missing).

(?) Upper Silurian: Oaky Creek, Parish Barton, County Ashburnham, N.S.W.

Bronteus bowningensis Etheridge and Mitchell

Holotype F. 29473—counterpart F. 29477.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 501, pl. 26, fig. 6.

Upper Silurian: Parish Bowning, County Harden, N.S.W.

Bronteus jenkinsi Etheridge and Mitchell

Syntypes F. 27711—counterpart F. 27713, F. 29475, F. 29479, F. 29486, F. 27590.

Etheridge, R., and Mitchell, J., 1890. *Ibid.*, 5 (3), p. 502, pl. 18, fig. 1 (F. 27711), fig. 2 (F. 29480), fig. 3 (F. 27590), figs 4–5 (F. 29479), fig. 6 (F. 29475), fig. 7 (restored outline of F. 27711).

Upper Silurian: Bowning Creek, near Bowning, N.S.W.

Bronteus longispinifex Mitchell

Syntypes F. 27997—counterpart F. 29481, F. 27998.

Mitchell, J., 1887. *Ibid.*, 2 (3), p. 438, 16, fig. 1 (F. 27997), fig. 2 (F. 27998).

Upper Silurian: Bowning, N.S.W.

Bronteus mesembrinus Etheridge and Mitchell

Holotype F. 29478.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 500, pl. 26, fig. 7.

(?) Upper Silurian: Limestone beds adjacent to Molong, Parish Bell, County Ashburnham, N.S.W.

Bronteus molongensis Etheridge and Mitchell

Holotype F. 29472.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 501, pl. 26, fig. 8.

(?) Upper Silurian: Molong limestone, Parish Bell, County Ashburnham, N.S.W.

Bronteus platynotus Mitchell

Holotype F. 28118.

Mitchell, J., 1924. Ibid., 49 (2), p. 53, pl. 10, fig. 9.

Upper Silurian: Minahan's Selection, Bowning Creek, 1½ miles N.W. of Bowning township, N.S.W.

Bronteus (*Goldius*) *singularis* Mitchell

Holotype F. 28124.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 53, pl. 10, fig. 8.

Upper Silurian (Lower Trilobite Bed): Minahan's Selection, Bowning Creek, Bowning, N.S.W.

Calymene australis Etheridge and Mitchell

= * *Gravicalymene australis* (Etheridge and Mitchell).

Lectotype F. 27586; paralectotypes F. 36168, F. 36169—counterpart F. 27306, F. 36170, F. 36172, F. 36173, F. 36174, F. 36177, F. 36178.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 481, pl. 24, fig. 1 (F. 27586), fig. 2 (F. 36169), fig. 3 (F. 36177), fig. 4 (F. 36173), fig. 5 (F. 36172), fig. 6 (F. 36170), fig. 7 (F. 36178), fig. 9 (F. 36174); pl. 27, fig. 1 (F. 36168).

* Gill, E. D., 1948. *Rec. Queen Vict. Mus.*, 2 (2), p. 69—lectotype designated on p. 70.

Shirley, J., 1938. *Quart. J. geol. Soc. Lond.*, 94 (4), p. 487—*Calymene australis* Etheridge and Mitchell was placed as a synonym of *Calymene* (*Gravicalymene*) *angustior* Chapman, excluding F. 36172, F. 36174, F. 36168.

Upper Silurian: Bowning, N.S.W.

Calymene duni Etheridge and Mitchell

Syntype F. 36171.*

Etheridge, R., and Mitchell, J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (3), p. 487, pl. 24, fig. 8 (F. 36171); pl. 27, fig. 12 (mislaid)**.

Upper Silurian: Bowning, near Yass, N.S.W. (not in situ).

* Dr J. Shirley is of the opinion that this specimen originally came from Oslo, Sweden. (Verbal communication).

** Possibly in Mining Museum, Sydney.

Ceratocephala impedita Etheridge and Mitchell

Syntypes F. 27986, F. 27981, F. 27973.

Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 714, pl. 53, fig. 11 (F. 27986), fig. 12 (F. 27981), fig. 13 (F. 27973).

Upper Silurian (Middle Trilobite Beds—Bowning Series): Bowning Village, County Harden, N.S.W.

Ceratocephala longispina Mitchell

See *Acidaspis longispinis* Mitchell

Ceratocephala phalaenocephala Mitchell

Holotype F. 28597.

Mitchell, J., 1919. *Ibid.*, 44 (4), p. 850, pl. 47, figs 1–3.

Upper Silurian (Lower Trilobite Bed): Minahan's Selection, Bowning Creek, Parish of Bowning, County Harden, N.S.W.

Ceratocephala vogdesi Etheridge and Mitchell

Syntypes F. 27063–67, F. 1516, F. 36198.

Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 707, pl. 50, fig. 8 (F. 27065), fig. 9 (F. 36198); pl. 51, fig. 1 (F. 1516), fig. 2 (mislaid), fig. 3 (F. 27064), fig. 4 (F. 27063), fig. 5 (F. 27066), fig. 6 (F. 1516), fig. 7 (?); pl. 53, fig. 9 (F. 27067).

Upper Silurian (Lower Trilobite Bed, Bowning Series): Bowning Creek and Limestone Creek, near Bowning, County Harden, N.S.W.

See also *Acidaspis* near *A. prevosti* Ratte (non Barrande).

See also *Acidaspis verneuili* Ratte (non Barrande).

Cordania gardneri Mitchell

= *Australosutura gardneri* (Mitchell).

Syntypes F. 26974, F. 27345; hypotype F. 27949.

Mitchell, J., 1922. *Ibid.*, 47 (4), p. 536, pl. 54, fig. 1 (F. 26974), figs 2–7 (mislaid); fig. 6 (? reconstruction of F. 27345).

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 53, pl. 10, fig. 15 (F. 27949).

Carboniferous (Upper Burindi Group): Bramble's Farm, Myall Lakes, Eurenderee, Gloucester, N.S.W.

See also *Australosutura gardneri* (Mitchell).

Corydocephalus palmata var. *sinuata* (Ratte).

See *Lichas sinuata* Ratte.

Cromus murchisoni de Koninck

Hypotype F. 43388*.

Etheridge, R., 1896. *Rep. Secr. Mines Tasm.*, 1895–6, p. 43, pl. —, figs 7–8.

Etheridge, R., 1896. *Pap. Proc. R. Soc. Tasm.*, p. 35, pl. —, figs 7–8.

Etheridge, R., and Mitchell, J., 1915. *Proc. Linn. Soc. N.S.W.*, 40 (4), pp. 653–4.

Silurian: Heazlewood, Tasmania.

* Slab with several specimens.

Crotalocephalus sculptus Etheridge and Mitchell

Syntypes F. 35841, F. 35842, F. 35847, F. 35859.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 492, pl. 25, fig. 4 (mislaid), fig. 5 (F. 35841), fig. 6 (F. 35842), fig. 7 (F. 35847), fig. 8 (F. 35859).

Upper Silurian: Bowning Creek, Parish of Bowning, County Harden, N.S.W.

Crotalocephalus silverdalensis Etheridge and Mitchell

= *Cheirurus* (*Crotalocephalus*) *silverdalensis* (Etheridge and Mitchell)

Syntypes (a) F. 35840, F. 27585, F. 30591; (b) F. 35857, F. 35858.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 490, pl. 24, fig. 10 (F. 35858); pl. 25, fig. 1 (F. 30591), fig. 2 (F. 27585), fig. 3 (F. 35840), fig. 9 (F. 35857*).

Philip, G. M., 1960. *Proc. R. Soc. Vict.*, 75 (2), p. 228.

Upper Silurian: (a) Bowning Creek, Parish Bowning, County Harden; (b) Silverdale, near Bowning, N.S.W.

* Wax squeeze of F. 30591.

yptonymus angustus Mitchell

Holotype F. 28130.

Mitchell, J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (2), p. 50, pl. 10, figs 5–6.

Upper Silurian: Gurnett's Selection, west of Bowning, N.S.W.

yptonymus (*Encrinurus*) *duntroonensis* (Etheridge and Mitchell)

See *Encrinurus duntroonensis* Etheridge and Mitchell

ryptonymus incertus Mitchell

Holotype F. 28122.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 48, pl. 10, fig. 2.

Upper Silurian (Upper Trilobite Bed): Railway cutting near Bowning railway station, N.S.W.

ryptonymus perannulatus Mitchell

Holotype F. 28131.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 50, pl. 10, fig. 4.

Upper Silurian: Gurnett's Selection, 3 miles west of Bowning Township, N.S.W.

ryptonymus platynotus Mitchell

Holotype F. 28128.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 47, pl. 10, fig. 1.

Upper Silurian (Lower Trilobite Bed): Bowning Creek, nead Bowning, N.S.W.

ryptonymus robustus Mitchell

Holotype F. 28117.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 49, pl. 10, fig. 3.

Upper Silurian (Lower Trilobite Beds): Limestone Creek, near Goodyer's Hut, on the Yass-Burruma Road, Parish Bowning, County Harden, N.S.W.

yphaspis bowningensis Mitchell*

Holotype F. 28352; hypotypes F. 28350, F. 28353, F. 28355–6, F. 35865, F. 29052.

Mitchell, J., 1887. *Ibid.*, 2 (3), p. 438, pl. 16, fig. 3 (F. 28352).

Etheridge, R., and Mitchell, J., 1917. *Proc.* 8 (2), p. 170, pl. 6, fig. 3 (F. 28352), figs 3a–b (F. 28356), fig. 3c (F. 28352), fig. 3d (F. 28355), fig. 3e (F. 35865), fig. 3f (F. 28353), fig. 3g (F. 29052), fig. 3h (F. 28350); pl. 7, figs 3i–k (mislaid).

Upper Silurian (Upper and Middle Trilobite Beds): Bowning, County Harden, N.S.W.

Cyphaspis filmeri Mitchell

Holotype F. 28600.

Mitchell, J., 1919. *Ibid.*, 44 (4), p. 855, pl. 47, figs 9–11.

Upper Silurian (Lower Trilobite Beds): Great Southern Road, Belle Vale Estate, Parish Yass, County King, N.S.W.

Cyphaspis horani Etheridge and Mitchell

Syntypes F. 28347–49, F. 28351.

Etheridge, R., and Mitchell, J., 1893. *Ibid.*, 8 (2), p. 174, pl. 7, fig. 4 (F. 28348), fig. 4a (F. 28347), fig. 4b (F. 28349), fig. 4c (F. 28351).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, near Bowning, N.S.W.

Cyphaspis rotunda Etheridge and Mitchell

Holotype F. 28365.

Etheridge, R., and Mitchell, J., 1893. *Ibid.*, 8 (2), p. 176, pl. 6, figs 2a–b.

Upper Silurian (Lower Trilobite Bed): Bowning, County Harden, N.S.W.

Cyphaspis yassensis Etheridge and Mitchell

Syntypes (a) F. 28362, F. 28370; (b) F. 28366-counterpart F. 28364, F. 28367, F. 28952.

Etheridge, R., and Mitchell, J., 1893. *Ibid.*, 8 (2), p. 172, pl. 6, fig. 1 (F. 28364-counterpart F. 28366), fig. 1a (F. 28362), fig. 1b (F. 28367), fig. 1c (F. 28952 ?), fig.1d (F. 28370).

Upper Silurian (Lower Trilobite Bed): (a) Bowning, County Harden; (b) Belle Vale, between Bowning and Yass, N.S.W.

Dalmanites (*Hausmannia*) *loomesi* Mitchell

= *Odontochile loomesi* (Mitchell)

Lectotype* F. 27142, paralectotypes F. 36052, F. 27233.

Mitchell, J., 1919. *Ibid.*, 44 (2), p. 441, pl. 15, fig. 1 (F. 27142), fig. 2 (F. 27233); pl. 16, fig. 3 (F. 36052), fig. 4 (F. 27142), fig. 5 (?).

Gill, E. D., 1948. *J. Proc. R. Soc. N.S.W.*, 82 (1), p. 20, pl. 1, figs 5–6 (F. 27142).

Upper Silurian: Bowning, near Yass, Parish Bowning, County Harden, N.S.W.

* Designated by Gill, E. D., 1948. *Ibid.*, p. 20.

Dalmanites meridianus (Etheridge and Mitchell)

See *Hausmannia meridianus* Etheridge and Mitchell.

Dicranogmus bartonensis Fletcher

Holotype F. 42932.

Fletcher, H. O., 1950. *Rec. Aust. Mus.*, 22 (3), p. 226, pl. 16, fig. 8.

Lower Silurian: Portion 292, Parish Barton, County Ashburnham, near Borenore, N.S.W.

Dicranurus longispinus (Mitchell)
See *Acidaspis longispina* Mitchell

Dikelocephalus florentinensis Etheridge

Holotype F. 9232.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 98, pl. 10, fig. 4.

Etheridge, R., 1919. *Trans. R. Soc. S. Aust.*, 43, p. 389.

Cambrian: Florentine Valley, Western Tasmania.

Diplorrhina elkedraensis (Etheridge)
See *Agnostus elkedraensis* Etheridge

Encrinurus sp. indet.

Figured specimens (a) F. 25326; (b) F. 25328, F. 35995; (c) F. 25325, F. 28126.

Etheridge, R., and Mitchell, J., 1915. *Proc. Linn. Soc. N.S.W.*, 40 (4), pp. 672–6, pl. 55, fig. 13 (F. 28127), fig. 14 (F. 28126); pl. 56, fig. 7 (F. 25995), fig. 12 (F. 25328); pl. 57, fig. 6 (F. 25325), fig. 7 (F. 25326).

Upper Silurian: (a) Tarlo River, Parish Turallo, County Argyle; (b) Gurnett's Farm, Parish Bowning, County Harden, N.S.W.; (c) near Duntroon Homestead, Parish Canberra, County Murray, A.C.T.

Encrinurus borenorensis Fletcher

Holotype F. 42694; paratypes F. 42909, F. 42696, F. 43053, F. 42923, F. 42693, F. 42886.

Fletcher, H. O., 1950 (*Rec. Aust. Mus.*, 22 (3), p. 227, pl. 16*, fig. 1 (F. 42694), fig. 2 (F. 42696), fig. 3 (F. 42923), fig. 4 (F. 42909), fig. 5 (F. 42696), fig. 6 (F. 43053), fig. 7 (F. 42926); pl. 15, fig. 1 (F. 42694), fig. 5 (F. 42693), fig. 6 (F. 42886).

Lower Silurian: Portion 292, Parish Barton, County Ashburnham, Borenore, near Orange, N.S.W.

* Plates incorrectly numbered in paper.

Encrinurus bowningensis Foerste

Syntypes F. 25331–33, F. 25335, F. 25338–41, F. 25345, F. 25347.

Etheridge, R., and Mitchell, J., 1915. *Proc. Linn. Soc. N.S.W.*, 40 (4), p. 662, pl. 54 fig. 6 (F. 25347), fig. 7 (F. 25333), fig. 8 (F. 25338), fig. 9 (F. 25341), fig. 10 (F. 25331), figs 12 and 14 (F. 25345); pl. 55, fig. 5 (F. 25332), fig. 6 (F. 25339), fig. 12 (F. 25335); pl. 56, fig. 8 (F. 25340).

Upper Silurian (Lower Trilobite Bed): Bowning, N.S.W.

Encrinurus (?) *duntroonensis* Etheridge and Mitchell

= *Cryptonymus* (*Encrinurus*) *duntroonensis* (Etheridge and Mitchell).

Syntypes F. 25354–55.

Etheridge, R., and Mitchell, J., 1915. *Ibid.*, 40 (4), p. 670, pl. 56, fig. 11 (F. 25355) fig. 13 (F. 25354).

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 51 (Figured specimens missing.)

Upper Silurian (?): Near Duntroon Homestead, Parish Canberra, County Murray A.C.T.

Encrinurus etheridgei Mitchell

Holotype (a) F. 4504b; paratypes F. 4504c, d, (b) F. 25323, F. 29441, F. 28132, F. 35987, F. 35867.

Mitchell, J., 1915. In Etheridge, R., and Mitchell, J., *Ibid.*, 40 (4), p. 667, pl. 55, fig. 13 (F. 4504a); pl. 55, fig 7 (F. 4504a), fig. 8 (F. 25323*), fig. 10 (F. 29441*), fig. 11 (F. 28132*); pl. 56, fig. 9 (F. 35987); pl. 57, fig. 1 (F. 4504b), fig. 2 (F. 4504c), fig. 4 (F. 35867), fig. (F. 4504d).

?Upper Silurian: (a) Yarralumla Plains (Limestone Plains), Parish of Narrabundah, County Murray, (b) Gurnett's Farm, Parish Bowning, County Harden, N.S.W.

* Also referred to in same paper on p. 673.

Encrinurus frontalis Mitchell

Holotype F. 28119.

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 51, pl. 10, fig. 7.

Upper Silurian: A quarter mile south of Bowning Public School, N.S.W.

Encrinurus mitchelli Foerste

Hypotypes F. 25306, F. 25308, F. 25311, F. 25329, F. 25300, F. 25334, F. 25344, F. 25346, F. 25353, F. 27725, F. 25348, F. 28120.

Etheridge, R., and Mitchell, J., 1915. *Ibid.*, 40 (4), p. 657, pl. 54, fig. 1 (F. 25346), fig. 2 (F. 25334), fig. 3 (F. 25348), fig. 4 (F. 25300), fig. 5 (F. 25353); pl. 55, fig. 1 (F. 25344), fig. 2 (F. 27725), fig. 3 (F. 25308), fig. 15 (F. 25306); pl. 56, fig. 2 (mislaid), fig. 10 (F. 25311); pl. 57, fig. 9 (F. 25329).

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 52, pl. 10, fig. 12 (mislaid), fig. 14 (F. 28120).

Upper Silurian (Lower Trilobite Bed): Bowning, Parish of Bowning, County Harden, N.S.W.

ncrinurus rothwellae Etheridge and Mitchell

Syntypes F. 36004, F. 36006.

Etheridge, R., and Mitchell, J., 1915. *Ibid.*, 40 (4), p. 669, pl. 56, fig. 1 (F. 36004), fig. 3 (F. 36006), pl. 57, fig. 5 (mislaid).

Upper Silurian (Upper Trilobite Bed): Railway cutting just west of Bowning Railway Station, Parish Bowning, County Harden, N.S.W.

ncrinurus silverdalensis Etheridge and Mitchell

Syntypes (a) F. 26195, F. 27439, F. 35992, F. 35996, F. 35998–99; hypotype (b) F. 28123.

Etheridge, R., and Mitchell, J., 1915. *Ibid.*, 40 (4), p. 665, pl. 54, fig. 11 (F. 35996); pl. 55, fig. 4 (F. 35999); fig. 9 (F. 35992); pl. 56, fig. 4 (F. 26195), fig. 5 (F. 27439), fig. 6 (F. 35996), fig. 14 (mislaid); pl. 57, fig. 3 (mislaid); fig. 10 (F. 35998).

Mitchell, J., 1924. *Ibid.*, 49 (2), p. 52, pl. 10, fig. 13 (F. 28123).

Upper Silurian (Lower Trilobite Bed): (a) Silverdale, near Bowning, (b) Bowning, N.S.W.

Gravicalymene australis (Etheridge and Mitchell)

See *Calymene australis* Etheridge and Mitchell

Griffithides convexicaudatus Mitchell

Syntypes F. 28378, F. 28384, F. 28386, F. 28626.

Mitchell, J., 1918. *Ibid.*, 43 (3), p. 475, pl. 46, fig. 13 and pl. 48, figs 1–2 (F. 28626), fig. 3 (F. 28384); pl. 52, fig. 5 (F. 28378), fig. 6 (F. 28386).

Lower Carboniferous: Glen William, about 2 miles from Clarencetown, Parish Parr, County Durham, N.S.W.

Griffithides sweeti Etheridge

Plastoholotype L. 1374.

Etheridge, R., 1894. *Ibid.*, 9 (3), p. 528, pl. 39, fig. 3.

Mitchell, J., 1918. *Ibid.*, 43 (3), p. 479, pl. 53, figs 1–2.

Carboniferous: Crow's Nest Creek, near Mt Morgan, Queensland.

Harpes trinucleoides Etheridge and Mitchell

Syntypes F. 35979–80, F. 27091, F. 35984.

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 496, pl. 27, fig. 2 (F. 35980), fig. 3 (F. 35984), fig. 4 (F. 35979), fig. 5 (F. 27091).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, Parish Bowning, County Harden, N.S.W.

Hausmannia sp. indet.

Figured specimen F. 2838a.

Etheridge, R., 1896. *Rep. Secr. Mines Tasm.*, (1895–6), p. 42, pl. —, fig. 5.

Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.*, p. 42, pl. —, fig. 5.

Silurian: Zeehan, in the Despatch Limestone, Tasmania.

Hausmannia meridianus Etheridge and Mitchell

= *Odontochile meridianus* (Etheridge and Mitchell)

(a) Holotype F. 27222*, paratypes F. 27238–39, F. 27240, F. 27262, F. 27371; (b) F. 46746.

Etheridge, R., and Mitchell, J., 1895. *Proc. Linn. Soc. N.S.W.*, 10 (3), p. 504, pl. 38, fig. 1 (F. 27222), fig. 2 (missing), fig. 3 (F. 46746), fig. 4 (F. 27239), fig. 5 (F. 27238), fig. 6 (F. 27231), fig. 7 (F. 27371), fig. 8 (F. 27262); pl. 40, fig. 1 (F. 27240).

Mitchell, J., 1919. *Ibid.*, 44 (2), p. 443, pl. 15, fig. 3 (F. 27222), fig. 4 and pl. 16, figs 6–7 (missing).**

Gill, E. D., 1948. *J. Proc. R. Soc. N.S.W.*, 82 (1), p. 19.

Upper Silurian: (a) Bowning, near Yass, County Harden; (b) Limestone Creek, near Bowning, N.S.W.

* Designated by Mitchell, J., 1919, in explanation of pl. 15, fig. 3.

** Described as *Dalmanites* (*Hausmannia*) *meridianus* Etheridge and Mitchell.

Hausmannia meridianus Etheridge and Mitchell

= *Odontochile meridianus* (Etheridge and Mitchell)

Hypotypes (a) F. 2837; (b) F. 2838.

Etheridge, R., 1896. *Rep. Secr. Mines Tasm.*, p. 42, pl. —, fig. 4 (F. 2837), fig. 6 (F. 2838).

Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.*, p. 42, pl. —, fig. 4 (F. 2837), fig. 6 (F. 2838).

Silurian (Despatch Limestone): (a) Heazlewood; (b) Zeehan, Tasmania.

Illaenus johnstoni Etheridge

Syntype F. 2832.

Etheridge, R., 1896. *Rep. Secr. Mines Tasm.*, p. 43, pl. —, fig. 3.

Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.*, p. 43, pl. —, fig. 3.

Silurian (Despatch Limestone): Zeehan, Tasmania.

Lichas palmata var. *sinuata* Ratte

See *Lichas sinuata* Ratte

Lichas sinuata Ratte

= *Lichas palmata* var. *sinuata* Ratte.*

= *Corydocephalus palmata* var. *sinuata* Ratte.**

Holotype F. 2484.

Ratte, F., 1886. *Proc. Linn. Soc. N.S.W.*, 1 (4), p. 1065, pl. 15, fig. 15.

Ratte, F., 1887.* *Ibid.*, 2 (1), p. 95, pl. 1, fig. 6.

Etheridge, R., and Mitchell, J., 1917**. *Ibid.*, 42 (3), p. 504.

Upper Silurian: Near Wellington Caves, N.S.W.

Lyriaspis alroiensis (Etheridge)

See *Ptychoparia alroiensis* Etheridge

Microdiscus significans Etheridge

= *Pagetia significans* (Etheridge).

Syntypes F. 9138—counterpart F. 54188.

Etheridge, R., 1902. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, (Contrib. 13), p. 3, pl. 2, figs 5–9 (specimens on single slab).

Whitehouse, F. W., 1936. *Mem. Qd Mus.*, 11 (1), p. 81.

Cambrian (Dinesus Stage): Fossil Hill, 40 miles southeast of Elkedra Homestead (Lat. 21° S., long. 135° 22' E., approximately), Northern Territory.

Niobe? sp. indet

Figured specimens F. 9238, F. 9240–41.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 98, pl. 10, fig. 1 (F. 9238), fig. 2 (F. 9241), fig. 3 (F. 9240).

?Upper Cambrian: Florentine Valley, Tasmania.

Odontochile loomesi (Mitchell)

See *Dalmanites* (*Hausmannia*) *loomesi* Mitchell.

Odontochile meridianus (Etheridge and Mitchell)

See *Hausmannia meridianus* Etheridge and Mitchell.

Odontopleura bowningensis Etheridge and Mitchell

Syntypes F. 27715, F. 27720, F. 27727, F. 27742.

Etheridge, R., and Mitchell, J., 1896. *Proc. Linn. Soc. N.S.W.*, 10 (4), p. 696, pl. 50, fig. 1 (F. 27715), fig. 2 (F. 27742), fig. 3 (F. 27727); pl. 52, fig. 5 (F. 27720).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, near Bowning, County Harden, N.S.W.

Odontopleura hartleii Mitchell

Syntypes F. 28596, F. 28598–99.

Mitchell, J., 1919. *Ibid.*, 44 (4), p. 852, pl. 47, figs 4–5 (F. 28596), figs 6–7 (F. 28598), fig. 8 (F. 28599).

? Upper Silurian: Back Creek, Tarle River Parish Turralle, County Argyle, one mile N.W. of slate quarry, N.S.W.

Odontopleura jenkinsi Etheridge and Mitchell

Syntypes F. 27970, F. 27974, F. 27977–78, F. 27980, F. 29003.

Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 705, pl. 52, fig. 6 (F. 27977), fig. 7 (F. 27980); pl. 53, fig. 4 (F. 27970), fig. 5 (F. 27974), fig. 6 (F. 29003), fig. 7 (F. 27978).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, County Harden, N.S.W.

See also *Acidaspis* near *A. prevosti* Ratte (non Barrande).

Odontopleura parvissima Etheridge and Mitchell

Syntypes F. 27726, F. 35989–90, F. 36149.

Ratte, F., 1887. *Ibid.*, 2 (1), p. 96, pl. 2, fig. 1 (F. 27726)*.

Etheridge, R., and Mitchell, J., *Ibid.*, 10 (4), p. 703, pl. 50, fig. 4 (F. 27726), fig. 5 (F. 35990), fig. 6 (F. 36149); pl. 52, fig. 8 (F. 35989).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, County Harden, N.S.W.

* Described and figured by Ratte, 1887, as *Acidaspis* near *A. dormitzeri* Corda.

Odontopleura rattei Etheridge and Mitchell

Syntypes F. 26524-counterpart F. 26526, F. 26945, F. 27971, F. 27982–84, F. 27987, F. 27989, F. 29000.

Etheridge, R., and Mitchell, J., 1896. *Ibid.*, 10 (4), p. 699, pl. 50, fig. 7 (F. 27987); pl. 51, fig. 8 (F. 27984), fig. 9 (F. 27989); pl. 52, fig. 1 (F. 27982), fig. 2 (F. 27900), fig. 3 (mislaid), fig. 4 (F. 27971; pl. 53, fig. 1 (F. 26524), fig. 2*, fig. 3 (F. 27983).

Upper Silurian (Middle and Upper Trilobite Beds): Bowning Village, County Harden, N.S.W.

* Specimen in Geological Survey of Queensland.

Olenellus browni Etheridge

= *Xystridura browni* (Etheridge).

Holotype.*

Etheridge, R., 1896. Official Contributions to the Palaeontology of South Australia, *S. Aust. Parl. Pap.*, (Contrib. 9), p. 13, pl. 1, fig. 1.

Etheridge, R., 1919. *Trans. R. Soc. S. Aust.*, 43, p. 381.

Whitehouse, F. W., 1939. *Mem. Qd Mus.*, 11 (3), p. 198, pl. 21, fig. 1.

Cambrian (Dinesus Stage): From a well 200 feet deep, 5 miles north of Alexandria Station, Northern Territory.

* Holotype should be in Australian Museum collection but has been mislaid.

agetia significans (Etheridge)

See *Microdiscus significans* Etheridge.

eronopsis elkedraensis (Etheridge)

See *Agnostus elkedraensis* Etheridge

hacops (cf. *Acaste downingiae*)

Mentioned specimens F. 45847–50.

Dun, W. S., 1916. *Rep. Dep. Mines N.S.W.*, p. 218.

Ordovician: Portion 6, Walli, County Bathurst, N.S.W.

hacops crosslei Etheridge and Mitchell

Syntypes F. 27225, F. 27227, F. 27235; hypotype F. 27144.

Etheridge, R., and Mitchell, J., 1895. *Proc. Linn. Soc. N.S.W.*, 10 (3), p. 489, pl. 39, fig. 9 (F. 27235), fig. 10 (F. 27227), fig. 11 (F. 27225).

Mitchell, J., 1919. *Ibid.*, 44 (2), p. 447, pl. 15, fig. 5 (F. 27144).

Upper Silurian: (Upper Trilobite Beds): Bowning Village, County Harden, N.S.W.

hacops latigenalis Etheridge and Mitchell

Syntypes F. 27230–1, F. 27243, F. 27247, F. 27260—counterpart F. 27257, F. 27264.

Etheridge, R., and Mitchell, J., 1895. *Ibid.*, 10 (3), p. 493, pl. 39, fig. 3 (F. 27230), fig. 4 (missing), fig. 5 (F. 27231), fig. 6 (F. 27247); pl. 40, fig. 2 (F. 27243), figs 3–4 (missing), fig. 5 (F. 27260), fig. 6 (F. 27264), fig. 9 (F. 27231).

Upper Silurian (Upper Trilobite Beds): Bowning, County Harden, N.S.W.

hacops macdonaldi Fletcher

Holotype F. 42952; paratypes F. 42946, F. 42954, F. 42949, F. 43060.

Fletcher, H. O., 1950. *Rec. Aust. Mus.*, 22 (3), p. 230, pl. 15,[1] fig. 2 (F. 42954), fig. 3 (F. 42946), fig. 4 (F. 42952), fig. 7 (F. 42949), fig. 9 (F. 43060).

Lower Silurian: Portion 292, Parish Barton, County Ashburnham, Borenore, N.S.W.

[1] Plates incorrectly numbered.

Phacops serratus Foerste

Hypotypes F. 27132, F. 27140, F. 27224, F. 27226, F. 27244, F. 27131.

Etheridge, R., and Mitchell, J., 1895. *Proc. Linn. Soc. N.S.W.*, 10 (3), p. 495, pl. 39, fig. 7 (F. 27224), fig. 8 (F. 27140); pl. 40, fig. 7 (F. 27244), fig. 8 (F. 27226), fig. 11 (? F. 27132).

Mitchell, J., 1919. *Ibid.*, 44 (2), p. 447, pl. 15, fig. 6 (F. 27131).

Upper Silurian (Upper Trilobite Beds): Near Bowning Railway Station, N.S.W.

Phillipsia sp. indet. (a)

= *Phillipsia rouchelensis* Mitchell.

Figured specimens F. 35845, F. 35850, ? F. 35855.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 129, pl. 21, fig. 6 (F. 35850), fig. 7 (? F. 35855), fig. 8 (F. 35845).

Mitchell, J., 1918. *Proc., Linn. Soc. N.S.W.*, 43 (3), p. 473.

Carboniferous: Upper Muscle Creek, Muswellbrook, N.S.W.

Phillipsia sp. indet. (b)

= *Phillipsia dungogensis* Mitchell

Figured specimen F. 35851.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 129, pl. 22, fig. 14.

Mitchell, J., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 474, pl. 47, fig. 6.

Carboniferous: Greenhills, near Dungog, County Durham, N.S.W.

Phillipsia breviceps Mitchell

Syntypes F. 28371, F. 28383.

Mitchell, J., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 449, pl. 46, figs 11–12 and pl. 51, fig. 2 (F. 28371), fig. 3 (F. 28383—counterpart F. 28371).

Carboniferous: Neighbourhood of Port Stephens, possibly from near Bulladelah, N.S.W.

Phillipsia collinsi Mitchell

Syntypes F. 27748, F. 28373–76, F. 28382.

Mitchell, J., 1918. *Ibid.*, 43 (3), p. 444, pl. 46, figs 1–2 (F. 28373), fig. 3 (F. 27748), fig. 4 (F. 28375), fig. 5 (F. 28376); pl. 48, fig. 8 (F. 28373), fig. 9 (F. 28382); pl. 52, fig. 4 (F. 28374).

Lower (?) Carboniferous: Glen William Road, one mile from Clarencetown, Parish Parr, County Durham, N.S.W.

Phillipsia convexicaudatus Mitchell

See *Griffithides convexicaudatus* Mitchell

Phillipsia coulteri Mitchell

Holotype F. 28627.

Mitchell, J., 1918. *Ibid.*, 43 (3), p. 447, pl. 46, figs 6–10.

Lower Carboniferous: Stroud–Dungog Road, near Dungog, Parish Howick, County Durham, N.S.W.

Phillipsia dubia Etheridge

= *Phillipsia elongata* Mitchell

Syntypes F. 35846, F. 35697.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 126, pl. 21, figs 1–2 (mislaid), fig. 3 (F. 35697), fig. 4 (F. 35846); pl. 22, figs 12–13 (?).

Mitchell, J., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 456.*

Carboniferous: Binge Berry, Rouchel Brook, Hunter River, County Durham, N.S.W.

* Figured specimens mislaid, possibly in Mining Museum, Sydney.

Phillipsia dungogensis Mitchell

Syntype F. 35851.

Mitchell, J., 1918. *Ibid,* 43 (3), p. 474, pl. 47, fig. 6 (F. 35851), fig. 7 (mislaid).

Carboniferous: Greenhills, near Dungog, County Durham, N.S.W.

See also *Phillipsia* sp. indet. (b).

Phillipsia elongata Mitchell

See *Phillipsia dubia* Etheridge

Phillipsia (?) *grandis* Etheridge

Lectotype* (a) F. 35853; (b) F. 35852; plastohypotype L. 1316**.

Etheridge, R. 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 128, pl. 21, fig. 5 (F. 35852); text fig. 5 (F. 35853).

Etheridge, R., 1917. *Publs. geol. Surv. Qd,* Publ. No. 260, p. 11, pl. 3, fig. 3 (Original of L. 1316).

Mitchell, J. 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 463, pl. 47, fig. 2 (F. 35852); pl. 50, figs 1–3 (L. 1316).

* Campbell, K. S. W., and Engel, B.A., 1963. *J. geol. Soc. Aust.*, 10 (1), p. 113, pl. 7, figs 34–35 (F. 35853).

Carboniferous: (a) Swain's Conditional Purchase, about 7 miles S.E. of Carroll, County Buckland, N.S.W. (b) Crow's Nest, near Mt Morgan, Queensland.

** Original is F. 927 in Queensland Geological Survey, Brisbane.

Phillipsia proxima Mitchell

Holotype F. 28372.

Mitchell, J., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 451, pl. 46, figs 15–16.

Lower Carboniferous: Glen William Road, near Clarencetown, Parish Parr, County Durham, N.S.W.

Phillipsia (?) *robusta* Mitchell

= *Phillipsia* (?) *grandis* Etheridge

Holotype F. 35853.*

Mitchell, J., 1918. *Ibid.*, 43 (3), p. 451, pl. 47, figs 1 and 8.

Campbell, K. S. W., and Engel, B. A., 196[illegible] *J. geol. Soc. Aust.*, 10 (1), p. 113.

Carboniferous: Swain's Conditional Purchase, 7 miles S.E. of Carroll, County Buckland, N.S.W.

* Lectotype of *Phillipsia* (?) *grandis* Etheridge.

Phillipsia rouchelensis Mitchell

Syntypes F. 35747, F. 35855, F. 35696, F. 35850.

Mitchell, J., 1918. *Proc. Linn. Soc. N.S.W.*, 43 (3), p. 473, pl. 48, fig. 4 (F. 35747), fig. 5 (F. 35855), fig. 6 (F. 35696), fig. 7 (F. 35850).

Carboniferous: Binge Berry, Rouchel Brook, near Muswellbrook, County Durham, N.S.W.

See also *Phillipsia* sp. indet. (a).

Proetus ascanius Ratte (non Barrande)

= *Proetus rattei* Etheridge and Mitchell

Syntypes F. 36163, F. 1505, F. 36164–65.

Ratte, F., 1886. *Ibid.*, 1 (4), p. 1066, pl. 15, fig. 1 (F. 36163), fig. 2 (F. 36164), fig. 3 (F. 1505), fig. 4 (F. 36165).

Etheridge, R., and Mitchell, J., 1891. *Ibid.* 6 (3), p. 316.

Upper Silurian: Bowning, County Harden, N.S.W.

Proetus australis Etheridge and Mitchell

Syntypes F. 28608, F. 35861—counterpart F. 35864, F. 36118, F. 36121.

Etheridge, R., and Mitchell, J., 1891. *Ibid.* 6 (3), p. 318, pl. 25, fig. 3 (F. 28608), fig. 3a (F. 35861), fig. 3b (mislaid), fig. 3c (F. 36118), fig. 3d (F. 36121).

Upper Silurian (Lower Trilobite Bed), Bowning Creek, Bowning, County Harden, N.S.W.

Proetus bowningensis Mitchell

Syntypes F. 36116, F. 27769; hypotypes F. 35849, F. 35862.

Mitchell, J., 1887. *Ibid.*, 2 (3), p. 439, pl. 16, fig. 4 (F. 36116), fig. 5 (F. 27769), fig. 6 (mislaid).

Etheridge, R., and Mitchell, J., 1891. *Ibid.*, 6 (3), p. 313, pl. 25, fig. 1 (mislaid), fig. 1a (F. 35849), figs 1b–c (F. 35862).

Upper Silurian: Bowning, County Harden, N.S.W.

Proetus rattei Etheridge and Mitchell

Syntypes F. 27759, F. 36123, F. 36126, F. 36163, F. 36863, ?, F. 27798.

Etheridge, R., and Mitchell, J., 1891. *Ibid.*, 6 (3), p. 316, pl. 25, fig. 2 (F. 36163), fig. 2a (F. 36126), fig. 2b (? F. 27798), fig. 2c (F. 36863), fig. 2d (? F. 36123 or F. 27759).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, Bowning, County Harden, N.S.W.

See also *Proetus ascanius Ratte* (non Barrande).

ychoparia alroiensis Etheridge

= *Lyriaspis alroiensis* (Etheridge)

Plastoholotype L. 1344.

Etheridge, R., 1919. *Trans. R. Soc. S. Aust.*, 43, p. 385, pl. 40, fig. 8.

Mitchell, J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (4), p. 539, pl. 44, figs 11, 12*.

Whitehouse, F. W., 1939. *Mem. Qd Mus.*, 11 (3), p. 203, pl. 22, fig. 6.

Cambrian: Eight miles east of Alroy Downs, Barkly Tableland, Northern Territory (not in situ).

* Described as *Ptychoparia merrotskii* Mitchell.

tychoparia howchini Etheridge

Holotype F. 5092.

Etheridge, R., 1898. *Trans. R. Soc. S. Aust.*, 22 (1), p. 2, pl. 4, figs 1–3.

Etheridge, R., 1919. *Ibid.*, 43, p. 385, pl. 40, fig. 7.

Lower Cambrian: Ardrossan, Yorke Peninsula, South Australia.

tychoparia merrotskii Mitchell

See *Ptychoparia alroiensis* (Etheridge)

phaerexochus mirus Beyrich

Hypotypes F. 35065–66, F. 36078, F. 36083, F. 48877.

Etheridge, R., and Mitchell, J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (3), p. 494, pl. 26, fig. 1 (F. 48877), fig. 2 (F. 36078), fig. 3 F. 36065), fig. 4 (F. 36066), fig. 5 (F. 36083).

Upper Silurian: Bowning, County Harden, N.S.W.

taurocephalus murchisoni Barrande

Hypotypes F. 27093, F. 35956—counterpart F. 35958, F. 25961–62, F. 35969.

* Ratte, F., 1887. *Ibid.*, 2 (1), p. 100, pl. 2, fig. 5 (F. 27093), fig. 6 (?), fig. 7 (F. 35919), figs 8–9 (?).

Etheridge, R., and Mitchell, J., 1917. *Ibid.*, 42 (3), p. 295, pl. 27, fig. 6 (F. 35969), fig. 7 (F. 27093), fig. 8 (F. 35962), figs 9–10 (F. 35961), figs 11 and 13 (F. 35956).

Upper Silurian (Lower Trilobite Bed): Bowning Creek, Parish Bowning, County Harden, N.S.W.

* Described as *Staurocephalus* near *S. murchisoni* Ratte.

Staurocephalus near *S. murchisoni* Ratte

See *Staurocephalus murchisoni* Barrande

Xystridura browni (Etheridge)

See *Olenellus browni* Etheridge

Insecta

Actinoscytina belmontensis Tillyard

(a) Holotype tegmen F. 19788 (Orig. No. 85); (b) hypotype F. 41384—counterpart F. 41385.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 18, text fig. 16.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 245, text fig. 29A (F. 41384, F. 41385), text fig. 29B (F. 19788).

Upper Permian: (a) Belmont; (b) Warner's Bay, N.S.W.

Adelidium cordatum Tillyard

Holotype elytron F. 39329.

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 752, text fig. 14.

Upper Triassic (Wianmatta Group): Glenlee, N.S.W.

Ademosyne wianamattensis Tillyard

Holotype elytron F. 39327.

Tillyard, R. J., 1917. *Ibid.*, 42 (4), p. 750, text fig. 12.

Upper Triassic (Wianamatta Group): Narellan, near Campbelltown, N.S.W.

Agetochoristella adscita Riek

Holotype forewing F. 43656; paratypes F. 39890, F. 40223,** F. 40159, F. 40183, F. 40185, F. 41018,* F. 26975,* F. 43124

Riek, E. F., 1952. *Rec. Aust. Mus.*, 23 (2), pp. 68–69, pl. 6A, fig. 4 (F. 43656), fig. 5 (F. 40223), text fig. 28 (F. 43656), text fig. 29 (F. 40223), text fig. 30 (F. 40185), text fig. 31 (F. 39890), text fig. 32 (F. 26975).

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

* Doubtfully referred to this species.

** Number incorrectly listed as F. 46223.

Anomaloscytina incompleta Evans

Holotype wing F. 40009—counterpart F. 40629

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 189, text fig. 29.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Anomaloscytina metapteryx Davis

Holotype hindwing F. 39792

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 113, text fig. 2.

Upper Permian: Warner's Bay, N.S.W.

Aphryganoneura anomala Tillyard

Holotype wing F. 28050 (Orig. No. 94)—counterpart F. 29033

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 276, pl. 16, fig. 5.

Upper Permian: Belmont, N.S.W.

Archaeosmylus pectinatus Riek

Holotype forewing (a) F. 40264—counterpart F. 50200; paratypes F. 41000, (b) F. 41342* counterpart F. 41343

Riek, E. F., 1952. *Rec. Aust. Mus.*, 23 (2), p. 86, pl. 68, fig. 10 (F. 40264), text figs 66 (F. 40264), fig. 67 (F. 41000).

Upper Permian: (a) Between Belmont and Warner's Bay, (b) Kimble's Hill, near Warner's Bay, N.S.W.

* Referred doubtfully to the above species.

? *Archecystinid*

Figured specimen F. 39977

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 196, text fig. 59.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Archipanorpa (?) *bairdae* Tillyard

= *Parachorista bairdae* Tillyard

Holotype fragment F. 38268 (orig. number P. 1)

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 284, pl. 33, fig. 1.

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 275.

Upper Permian: Belmont, N.S.W.

Aristopsyche superba Tillyard

= *Mesopsyche triareolata* Tillyard

Holotype F. 39263 (orig. number 148a)

Tillyard, R. J., 1919. *Ibid.*, 44 (1), p. 202, text fig. 25.

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 101.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Atelophlebis culleni (Etheridge and Olliff)
See *Ephemera culleni* Etheridge and Olliff

? *Austroblatulla* sp. indet. (*Mesoblattinidae*)

Mentioned forewing F. 52316

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (16), p. 311.

? Triassic: Hill River, 1 mile sheet, grid reference 191523, Western Australia.

Austrocypha abrupta Tillyard

Hypotype F. 39809

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 121, text fig. 24.

Upper Permian: Warner's Bay, N.S.W.

Austroidelia perplexa Riek

Holotype forewing F. 39179—counterpart 39190

Riek, E. F., 1954. *Rec. Aust. Mus.*, 23 (4), p. 162, text fig. 1, pl. 11, fig. 6.

Middle Triassic (Hawkesbury Sandstone): Beacon Hill, Brookvale, N.S.W.

Austroprosbole maculata Evans

Holotype tegmen F. 40048

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 182, text fig. 2.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Austroscytina imperfecta Evans

Holotype wing F. 40084

Evans, J. W., 1943. *Ibid.* 21 (4), p. 183, text fig. 3.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Beaconiella fennahi Evans

Holotype wing F. 30974.

Evans, J. W., 1963. *Journ. Entom. Soc. Queensl.*, 2, p. 21, text fig. 5b.

Middle Triassic (Hawkesbury Sandstone) Beacon Hill, Brookvale, N.S.W.

Beaconiella multivenata Evans

Holotype tegmen F. 35878.

Evans, J. W., 1963. *Journ. Entom. Soc. Queensl.*, 2, p. 22, text fig. 5a, pl. 1, fig. D.

Middle Triassic (Hawkesbury Sandstone) Beacon Hill, Brookvale, N.S.W.

Beetle elytra, indet.

Figured specimens F. 52314, F. 52317

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (16), p. 311, pl. 46, fig. 4 (F. 52314), fig. 5 (F. 52317).

? Triassic: Hill River, 1 mile sheet, grid reference 19251, Western Australia.

Belmontia mitchelli Tillyard

Holotype F. 28469 (orig. No. 40), hypotype F. 40970

Tillyard, R. J., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (2), p. 235, text figs 1–3 (F. 28469); pl. 12, fig. 1 (F. 28469); pl. 13, figs 2–3 (F. 28469).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 58, pl. 5B, fig. 12 (F. 28469), fig. 13 (F. 40970), text fig. 5 (F. 28469), fig. 6 (F. 40970).

Upper Permian: Belmont, near Newcastle, N.S.W.

psylla reticulata Evans

Holotype tegmen F. 39992

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 193, text fig. 42.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

ironomus venerabilis Etheridge and Olliff

Holotype F. 46339

Etheridge, R., and Olliff, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 7, p. 7, pl. 1, fig. 2.

Pliocene?: Fox and Partridge's claim, Red Hill, near Emmaville, New England, N.S.W.

oristopanorpa bifasciata Riek

Holotype forewing F. 30959; paratypes F. 39196—counterpart F. 39186, F. 39195, F. 30964, F. 30956, F. 30967, F. 39197, F. 38258, F. 38263—counterpart F. 35879, F. 30062, F. 39181.

Riek, E. F., 1950. *Rec. Aust. Mus.*, 22 (3), p. 254, pl. 18, fig. 1 (F. 30959), fig. 2 (F. 39196), fig. 3 (F. 39195), fig. 4 (F. 30964), fig. 5 (F. 38263); text fig. 1 (F. 30959), text fig. 2 (F. 39196), text fig. 3 (F. 39195), text fig. 4 (F. 30964).

Middle Triassic (Hawkesbury Sandstone): Beacon Hill, Brookvale, near Manly, N.S.W.

oristotanyderus nanus Riek

Holotype wing F. 39964.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 76, text fig. 49.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

cada ? lowei Etheridge and Olliff

Holotype F. 35725.

Etheridge, R., and Olliff, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 7, p. 6, pl. 1, fig. 1.

Jurassic: Talbragar River, southern boundary of Boyce's Selection, No. 14, Parish of Bligh, County Bligh, N.S.W.

ladochorista belmontensis Tillyard

Holotype forewing F. 28054—counterpart F. 28962 (original number 96); hypotypes F. 42482, F. 40155—counterpart F. 40035, F. 41008, F. 40219–20, F. 40118, F. 40147—counterpart F. 40120, F. 41372, F. 41374, F. 43133—counterpart F. 43134.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 273, text fig. 9 (F. 28054).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 78, pl. 6A, fig. 7 (F. 40035), fig. 8 (F. 28962); text fig. 50 (F. 28962), text fig. 51 (F. 41374), text fig. 52 (F. 40035).

Upper Permian: Belmont-Warner's Bay, N.S.W.

Clatrotitan andersoni McKeown

= *Clatrotitan scullyi* (Tillyard)

Holotype forewing F. 36274; paratypes F. 39786 (original number 1–1)—counterpart F. 39787 (original number 1–2).

McKeown, K. C., 1937. *Rec. Aust. Mus.*, 20 (1), p. 32, text figs 1–3 (F. 36274); pl. 4, fig. 1 (F. 36274); pl. 5, fig. 1 (F. 36274), fig. 2 (F. 39787), fig. 3 (F. 39786).

Riek, E. F., 1954. *Ibid.*, 23 (4), p. 166.

Middle Triassic: Beacon Hill quarry, Brookvale, near Manly, N.S.W.

Clatrotitan scullyi (Tillyard)

See *Mesotitan scullyi* Tillyard

Clavopsyllidium minutum Davis

Holotype forewing F. 39800.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 117, text fig. 10.

Upper Permian: Warner's Bay, N.S.W.

Cloeon emmavillensis Riek

Holotype nymph F. 46347* (original No. D. 52)—counterpart F. 46348; paratype F. 46379 (original No. D. 115).

Riek, E. F., 1954. *Rec. Aust. Mus.*, 23 (4), p. 160, pl. 10, fig. 6 (F. 46347), fig. 7 (F. 46379).

Pliocene?: Fox and Partridge's Claim, Red Hill, near Emmaville, New England, N.S.W.

* Originally named *Ephemera culleni* Etheridge and Olliff, 1890. *Mem. Geol. Surv. N.S.W.*, Pal. 7, p. 8, pl. 1, fig. 9.

Coleoptera incertae sedis

Specimens F. 39932 (original No. 9), F. 39333 (original No. 12), F. 39334 (original No. 16), F. 39335 (original No. 34), F. 39336 (original No. 36).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 754, text fig. 17a (F. 39332), text fig. 17b (F. 39333), text fig. 17c (F. 39335), text fig. 17d (F. 39336).

Upper Triassic (Wianamatta Group): Glenlee, near Narellan, N.S.W.

Elateridium angustius Tillyard

Holotype elytron F. 39328 (original No. 14). Tillyard, R. J., 1917. *Ibid.*, p. 751, text fig. 13.

Upper Triassic (Wianamatta Group): Glenlee, near Narellan, N.S.W.

Eochiliocycla angusta Davis

Holotype tegmen F. 39793.

Davis, C., 1942. *Ibid.*, 67 (3–4), p. 114, text fig. 3.

Upper Permian: Warner's Bay, N.S.W.

Eopsyllidium delicatulum Davis

Holotype ? forewing F. 39795.

Davis, C., 1942. *Ibid.*, 67 (3–4), p. 115, text fig. 5.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 237, text fig. 25G.

Upper Permian: Warner's Bay, N.S.W.

Ephemera culleni Etheridge and Olliff

= *Atalophlebia culleni* (Etheridge and Olliff)

Holotype nymph F. 46344 (original No. D. 112); paratypes F. 46341—counterpart F. 46342, F. 46347*—counterpart F. 46348, F. 46343, F. 46358, F. 46345, F. 46346; hypotype F. 46360.

Etheridge, R., and Olliff, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 7, p. 8, pl. 1, fig. 3 (F. 46341), fig. 4 (F. 46343), fig. 5 (F. 46344), fig. 6 (F. 46358), fig. 7 (F. 46345), fig. 8 (F. 46346), fig. 9 (F. 46347)*.

Riek, E. F., 1954. *Rec. Aust. Mus.*, 23 (4), p. 159, pl. 10, fig. 1 (F. 46344), fig. 2 (F. 46341, F. 46342), fig. 2 (F. 46360), fig. 4 (F. 46346), fig. 5 (F. 46344).

Pliocene ?: Fox and Partridge's Claim, Red Hill, near Emmaville, New England, N.S.W.

* This specimen is now holotype of *Cloeon emmavillensis* Riek.

Eupincombea postiva Davis

Holotype hindwing F. 39794.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 114, text fig. 4.

Upper Permian: Warner's Bay, N.S.W.

Fletcheriana triassica Evans

Holotype forewing F. 39166-counterpart F. 39165; hindwing F. 30971; paratypes F. 25234, F. 30952, F. 39161, F. 39162, F. 39164, F. 39169, F. 26751, F. 36273, F. 31960, F. 30945, F. 35881, F. 38261, F. 39170, F. 30968, F. 39168, F. 39163, F. 35880, F. 30976, F. 39171.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 225, text fig. 21F, (F. 39166), 22A, (F. 30971), 22B (F. 39169), 22C (F. 26751), 22D (F. 35881), 22E (F. 36273), 22F (F. 31960).

Middle Triassic: Brookvale Quarry, near Manly, N.S.W.

Hemiptera incertae sedis

Mentioned specimens F. 39337 (Orig. No. 7), F. 39338 (Orig. No. 8), F. 39339 (Orig. No. 11), F. 39340 (Orig. No. 13).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 755.

Upper Triassic (Wianamatta Group): Glenlee, near Narellan, N.S.W.

Homaloscytina plana Tillyard

Holotype tegmen F. 19783; hypotypes F. 39909, F. 39904, F. 40004, F. 40010–12, F. 40015, F. 40071, F. 40085, F. 40057.

Tillyard, R. J., 1926. *Ibid,*. 51 (1), p. 16, text. fig. 14.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 185, text fig. 14 (F. 40015), text fig. 15 (F. 40057), text fig. 16 (F. 40011), text fig. 17 (F. 40012), text fig. 18 (F. 40010), text fig. 19 (F. 40071), text fig. 20 (F. 39909), text fig. 21 (F. 39904), text fig. 22 (F. 40085), text fig. 23 (F. 40004).

Upper Permian: Belmont-Warner's Bay, N.S.W.

Homopteron

Figured specimen F. 39951.

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 195, text fig. 56.

Upper Permian: Belmont-Warner's Bay, N.S.W.

Incertae Sedis

Mentioned specimens (a) F. 41757 (original No. 25*), F. 39321 (orig. No. 27), F. 39322 (orig. No. 28), F. 39319 (orig. No. 29), F. 39323 (orig. No. 30); (b) F. 39320 (orig. No. 32).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 740.

Upper Permian: (a) Belmont, (b) Newcastle, N.S.W.

* See *Permofulgor indistinctus* Tillyard.

? Ipsviciidae

Figured specimen F. 40448.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 195, text fig. 53.

Upper Permian: Lake Macquarie, N.S.W.

Lophiocypha maxima Davis

Holotype forewing F. 39808.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 121, text fig. 23.

Upper Permian: Warner's Bay, N.S.W.

Lophiocypha permiana Tillyard

Hypotype F. 40245.

Davis, C., 1942. *Ibid.*, 67 (3–4), p. 119, text fig. 17.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Lophiocypha stanleyi Tillyard

Hypotypes F. 39806, F. 39807, F. 40252 (Orig. No. CD-20), F. 40240 (Orig. No. CD-21).

Davis, C., 1942. *Ibid.*, 67 (3–4), p. 119, text fig. 18 (F. 39806), text fig. 19 (F. 39807), text fig. 20 (F. 40252), text fig. 21 (F. 40240), text fig. 22 (missing).

Upper Permian: Warner's Bay, N.S.W.

.ophioneura ustulata Tillyard

Holotype forewing F. 39344.

Tillyard, R. J., 1921. *Ibid.*, 46 (4), p. 417, pl. 35, fig. 2; text fig. 3.

Upper Permian: Newcastle, N.S.W.

Meganisoptera (Order)—cf. *Liadotypidae*

Apical portion of large wing F. 43142-counterpart F. 43141.

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (15), p. 304, pl. 45, fig. 4, text fig. 4.

Upper Permian: Belmont, N.S.W.

Megasecoptera (Order), Eumegasecoptera (Suborder)

Figured wing F. 40038.

Riek, E. F., 1968. *Ibid.*, p. 304, text fig. 3.

Upper Permian: Belmont, N.S.W.

Mesacridites elongata Riek

Holotype forewing F. 30970.

Riek, E. F., 1954. *Ibid.*, 23 (4), p. 163, text fig. 2, pl. 11, fig. 3.

Middle Triassic (Hawkesbury Sandstone): Beacon Hill, Brookvale, near Sydney, N.S.W.

Mesochorista australica (Tillyard)

Holotype F. 39318 (Orig. No. 24); holotypes of synonyms see below; hypotypes F. 40139, F. 40131, F. 40196—counterpart F. 40212, F. 40225, F. 41700, F. 40201, F. 43137, F. 40208—counterpart F. 40195, F. 40213—counterpart F. 40215, F. 39982, F. 40208—counterpart F. 40195, F. 40132, F. 40224, F. 40133, F. 40802, F. 40176, F. 41286, F. 43122, F. 41040, F. 40189, F. 40229, F. 40141, F. 40801, F. 39982, F. 40124, F. 40149, F. 40224.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 60, text figs 8 (F. 41286), 9 (F. 40189), 10a (F. 40176), 10b (F. 40229), 10c (F. 40141), 11a (F. 40801), 11b (F. 39317), 12 (F. 40139), 13 (F. 29031), 14 (F. 43122), 15 (F. 40132), 16 (F. 40224), 17 (F. 40213); pl. 5A, fig. 1 (F. 41286), fig. 2 (F. 41040), fig. 3 (F. 40189), fig. 4 (F. 40141), fig. 5 (F. 40801), fig. 6 (F. 40229), fig. 7 (F. 39317), fig. 8 (F. 40133), fig. 9 (F. 40213), fig. 10 (F. 39982), fig. 11 (F. 40124), fig. 12 (F. 40149), fig. 13 (F. 40802), fig. 14 (F. 29031), fig. 15 (F. 40132), fig. 16 (F. 40224), fig. 17 (F. 40208).

Upper Permian: Belmont—Warner's Bay, N.S.W.

See also *Permochorista australica* Tillyard, F. 39318 (Holotype)

Permochorista mitchelli Tillyard, F. 39317 (Holotype)

Permochorista sinuata Tillyard, F. 28463 (Holotype)—counterpart F. 38270; F. 28460 (paratype)

Permochorista affinis Tillyard, F. 28466 (Holotype)

Permochorista collinsi Tillyard, F. 28042 (Holotype)—counterpart F. 29031

Permochorista pincombei Tillyard, F. 19796 (Holotype)

Permochorista angustipennis Tillyard, F. 28043 (Holotype)

Permochorista inaequalis Tillyard, F. 19792 (Holotype)

Mesochorista dubia Riek

Holotype forewing F. 41287; mentioned specimens F. 42108*—counterpart F. 42109.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 63, text fig. 20 (F. 41287); pl. 5B, fig. 3 (F. 41287)

Upper Permian: Belmont–Warner's Bay, N.S.W.

*Referred provisionally to the above species.

Mesochorista jucunda (Tillyard)

See *Permochorista jucunda* Tillyard

Mesochorista phipa Riek

Holotype F. 40125—counterpart F. 40180.

Riek, E. F., 1953. *Ibid.*, p. 63, text fig. 21 (F. 40125); pl. 5B, fig. 1 (F. 40180), fig. 2 (F. 40125)

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Mesochorista proavita Tillyard

Holotype F. 39231 (orig. number 32A); mentioned specimens F. 39230—counterpart F. 39271.

Tillyard, R. J., 1916. *Publs. geol. Surv. Qd*, 253, p. 30, pl. 2, fig. 2 (F. 39231).

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 99.

Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Mesonotoperla sinuata Riek

Holotype F. 35877—counterpart F. 35955.

Riek, E. F., 1954. *Rec. Aust. Mus.*, 23 (4), p. 167, text fig. 5 and pl. 11, fig. 5 (F. 35877).

Middle Triassic (Hawkesbury Sandstone): Beacon Hill Quarry, Brookvale, N.S.W.

Mesopanorpa wianamattensis Tillyard

= *Mesopanorpodes wianamattensis* Tillyard

Holotype F. 39326 (Orig. No. 5).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 747, text fig. 10.

Tillyard, R. J., 1918. *Ibid.*, 48 (3), p. 435.

Upper Triassic: Wianamatta Group, Glenlee, N.S.W.

Mesopanorpodes belmontensis Riek

Holotype forewing F. 40166–hindwing F. 41237; paratypes F. 40962—counterpart F. 40961, F. 43480, F. 41237, F. 42499—counterpart F. 42498.

Riek, E. F., 1953. *Rec. Aust. Mus.* 23 (2), p. 70, text fig. 35 (F. 40166); pl. 6A, fig. 12 (F. 40166), fig. 13 (F. 41237).

Upper Permian: Belmont–Warner's Bay, N.S.W.

Mesopanorpodes robustus Riek

Holotype forewing F. 40787—counterpart F. 40788.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 71, text fig. 36 (F. 40787); pl. 6A, fig. 14 (F. 40787).

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Mesopanorpodes wianamattensis Tillyard

See *Mesopanorpa wianamattensis* Tillyard

Mesophlebia antinodalis Tillyard

Paratype F. 39270 (Orig. No. 127a)*.

Tillyard, R. J., 1916. *Publs. geol. Sur. Qd,* 253, p. 25.

Triassic: Denmark Hill, Ipswich, Queensland.

*Marked paratype by R. J. Tillyard.

Mesopsyche triareolata Tillyard

Holotype F. 39233 (Orig. No. 110).

Tillyard, R. J. 1917. *Proc. Linn. Soc. N.S.W.,* 42 (1), p. 182, text fig. 2; pl. 8, fig. 1.

Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

See also *Triassopsyche dunstani* Tillyard, *Aristopsyche superba* Tillyard and *Neuropsyche elongata* Tillyard.

Mesorthopteron locustoides Tillyard

Mentioned specimens F. 39242, F. 39235.

Riek, E. F., 1956. *Aust. J. Zool.,* 4 (1), p. 105.

Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Mesothyris westraliensis Riek

Holotype elytron F. 52315; figured pronotum F. 52313*.

Riek, E. F., 1968. *Rec. Aust. Mus.,* 27 (16), p. 312, pl. 46, figs 1–2 (F. 52315), fig. 3 (F. 52313).

? Triassic: Hill River, 1 mile sheet, grid reference 191523, Western Australia.

*Tentatively referred to the above species.

Mesotitan scullyi Tillyard

= *Clatrotitan scullyi* (Tillyard)

Holotype F. 37189 (Orig. No. 20270); hy[po]types F. 43471, F. 39788.

Tillyard, R. J., 1925. *Proc. Linn. Soc. N.S.* 50 (4), p. 376, pl. 36, text fig. 1 37189).

McKeown, K. C., 1937. *Rec. Aust. Mus.,* (1), p. 35, pl. 6, fig. 1 (F. 39788).

Riek, E. F., 1954. Ibid. 23 (4), p. 1 pl. 11, fig. 4 (F. 43741).

Middle Triassic (Hawkesbury Sandston Beacon Hill, Brookvale, N.S.W.

See also *Clatrotitan andersoni* McKeown a *Mesotitan tillyardi* McKeown.

Mesotitan tillyardi McKeown

= *Clatrotitan scullyi* (Tillyard)

Holotype F. 39789 (orig. number GD).

McKeown, K. C., 1937. *Ibid.*, 20 (1), p. pl. 6, fig. 2.

Riek, E. F., 1954. *Ibid.*, 23 (4), p. 166.

Middle Triassic (Hawkesbury Sandstone Beacon Hill, Brookvale, near Sydn N.S.W.

Metrorhynchites grandis Tillyard

Holotype elytron F. 39330 (Orig. No. 20).

Tillyard, R. J., 1917. *Proc. Linn. So N.S.W.,* 42 (4), p. 753, text fig. 15.

Upper Triassic (Wianamatta Group): Gle lec, N.S.W.

? *Mitchelloneura*

Figured specimen F. 28028 (Orig. No. 90).

Tillyard, R. J., 1926. *Ibid.,* 51 (1), p. 2 text fig. 22.

Upper Permian: Belmont, N.S.W.

Mitchelloneura permiana Tillyard

Holotype hindwing F. 39343.

Tillyard, R. J., 1921. *Ibid.,* 46 (4), p. 41 text fig. 1; pl. 35, fig. 1.

Upper Permian: Railway embankment, Mer wether Beach, near Newcastle, N.S.W.

Nannochoristella reducta Riek

Holotype F. 39968.

Riek, E. F., 1953. *Rec. Aust. Mus.,* 23 (2 p. 74, text fig. 47.

Upper Permian: Between Belmont an Warner's Bay, N.S.W.

Neoageta elongata Riek

Holotype forewing F. 43969—counterpart F 43970.

Riek, E. F., 1953. *Ibid.,* 23 (2), p. 67, tex fig. 26; pl. 6A, fig. 6.

Upper Permian: Between Belmont an Warner's Bay, N.S.W.

Neochoristella aptata Riek

Holotype forewing F. 41608.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 74, text fig. 46.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Neopetromantis australis Riek

Holotype forewing F. 40211; paratypes F. 40173, F. 41120, F. 43122*.

Riek, E. F., 1953. Ibid., 23 (2), p. 67, text fig. 27 (F. 40211); pl. 6A, fig. 2 (F. 40211), fig. 3 (F. 43122).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Referred provisionally to above species.

Neuropsyche elongata Tillyard

= *Mesopsyche triareolata* Tillyard

Holotype F. 39272 (orig. number 228A).

Tillyard, R. J., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 204, text fig. 26.

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 101.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Notoblattites mitchelli Tillyard

Holotype F. 28467 (orig. number 1)—counterpart F. 39325.

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 745, text fig. 9.

Triassic (Wianamatta Group): Glenlee railway cutting, Narellan, N.S.W.

Notoblattites wianamattensis Tillyard.

Holotype F. 39324 (orig. number 3).

Tillyard, R. J., 1917. *Ibid.*, p. 743, text fig. 8.

Upper Triassic (Wianamatta Group); Glenlee, N.S.W.

Orthoscytina sp.

Figured specimen F. 39885.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 183, text fig. 58.

Upper Permian: Pincombe's Outcrop, between Belmont and Warner's Bay, N.S.W.

Orthoscytina spp.

Figured tegmina F. 40014, F. 39941, F. 40051, F. 40019, F. 40023, F. 40001,* F. 40025, F. 39993, F. 40090, F. 39988.

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 183, text fig. 4 (F. 40014), text fig. 5 (F. 39941), text fig. 6 (F. 40051), text fig. 7 (F. 40019), text fig. 8 (F. 40023), text fig. 9 (F. 40001),* text fig. 10 (F. 40025), text fig. 11 (F. 39993), text fig. 12 (F. 40090), text fig. 13 (F. 39988).

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

* See also *Orthoscytina tetraneura* Tillyard.

Orthoscytina belmontensis Tillyard

Holotype tegmen F. 19775 (orig. No. 2T).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 13, text fig. 9.

Upper Permian: Belmont, N.S.W.

Orthoscytina indistincta Tillyard.

Holotype tegmen F. 28029 (orig. No. 70).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 11, text fig. 6.

Upper Permian: Belmont, N.S.W.

Orthoscytina mitchelli Tillyard

Holotype tegmen F. 28026 (orig. No. 114).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 10, text fig. 4.

Upper Permian: Belmont, N.S.W.

Orthoscytina obliqua Tillyard

Holotype tegmen F. 28025 (orig. No. 112), paratypes F. 19784* (orig. No. 63), F. 41720* (orig. No. 102).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 13, text fig. 10 (F. 28025).

Upper Permian: Belmont, N.S.W.

* Provisionally placed in this species.

Orthoscytina pincombei Tillyard

Holotype tegman F. 19797 (orig. No. 143).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 14, text fig. 11.

Upper Permian: Belmont, N.S.W.

Orthoscytina quinquemedia Tillyard

Holotype tegmen F. 19786 (orig. No. 69).

Tillyard, R. J., 1926. *Ibid*, 51 (1), p. 11, text fig. 5.

Upper Permian: Warner's Bay, N.S.W.

Orthoscytina subcostalis Tillyard

Holotype tegmen F. 19774 (orig. No. 4).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 11, text fig. 7.

Upper Permian: Belmont, N.S.W.

Orthoscytina tetraneura Tillyard

Holotype tegmen F. 19776 (original No. 71), hypotype tegmen F. 40001.

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 15, text fig. 12 (F. 19776).

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 186 (F. 40001).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Panorpoid Insect Incertae Sedis

Mentioned specimens F. 39286 (original No. 114b)—counterpart F. 39288.

Tillyard, R. J., 1919. *Proc. Linn. Soc. N.S.W.*, 44 (1), p. 199.

Triassic: Denmark Hill, Ipswich, Queensland.

Palaeovicia incerta Evans

Holotype tegmen F. 39999.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 189, text fig. 26.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Parabelmontia permiana Tillyard

Holotype hindwing (a) F. 28461 (original No. 54); (b) mentioned hypotype F. 41188.

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 286, pl. 33, fig. 2 and text fig. 3 (F. 28461).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 59, text fig. 7, pl. 5B, fig. 14 (F. 28461); mentioned (F. 41188).

Upper Permian: (a) Belmont, (b) 2½ miles east of Warner's Bay, N.S.W.

Parachorista bairdae Tillyard

See *Archipanorpa* (?) *bairdae* Tillyard

Parachorista pincombeae Tillyard

Holotype forewing F. 38272 (original No. 83)—counterpart F. 28041 (original No. 55); hypotype F. 43110.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 273, text fig. 10 and pl. 15, fig. 3 (F. 38272).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 65, text fig. 22 (F. 38272), text fig. 23 (F. 28049*); pl. 5B, fig. 10 (F. 28049*), fig. 11 (F. 38272).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* See also *Parachorista warnerensis* Tillyard.

Parachorista splendida Tillyard

Holotype hindwing F. 28048—counterpart F. 28462 (original No. 107), hypotypes F. 41023, F. 41094.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 274, text fig. 12 and pl. 16, fig. 4 (F. 28048).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 65, text fig. 24 (F. 28048); pl. 5B, fig. 8 (F. 28048), fig. 9 (F. 41094).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Parachorista warnerensis Tillyard

= *Parachorista pincombeae* Tillyard

Holotype forewing F. 28049 (original No. P 164).

Tillyard, R. J., 1926. *Proc. Linn. Soc N.S.W.*, 51 (2), p. 273, text fig. 11.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 65, text fig. 23.

Upper Permian: Warner's Bay, N.S.W.

Paraknightia magnifica Evans

Holotype F. 40450.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4) p. 187, text figs 24a, b.

Evans, J. W., 1950. *Ibid.*, 22 (3), p. 246 text fig. 1.

Evans, J. W., 1963. *Journ. Entom. Soc Queensl.*, 2, p. 18, pl. 1, fig. A.

Upper Permian: Lake Macquarie, N.S.W.

Paraplecoptera (Order)

Figured wings F. 41067.

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (15), p. 304, text fig. 5.

Upper Permian: Belmont, N.S.W.

Permagra distincta Evans

Holotype F. 39866.

Evans, J. W., 1943. *Trans. R. Soc. S. Aust.*, 67 (1), p. 7, text fig. 1; pl. 1, fig. 1.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 207.

Upper Permian: Belmont, N.S.W.

Permithone belmontensis Tillyard

Holotype F. 28465 (original No. 52); hypotypes F. 40272—counterpart F. 40156, F. 40268.

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 290, text fig. 6; pl. 33, fig. 3 (F. 28465).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 81, text fig. 54 (F. 40272), text fig. 55 (F. 40268); pl. 6B, fig. 1 (F. 40268), fig. 2 (F. 40156), fig. 3 (F. 40272).

Upper Permian: Belmont, N.S.W.

See also *Permosmylus pincombeae* Tillyard.

Permithone neoxenus Riek

Holotype F. 40271.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 82, text fig. 58, pl. 6B, fig. 4.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Permithone oliarcoides Tillyard

Holotype F. 28052—counterpart F. 28024, hypotypes F. 40265, F. 40269.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 278, text fig. 14.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 82, text fig. 56 (F. 28052), text fig. 57 (F. 40269); pl. 6B, fig. 8 (F. 40269), fig. 9 (F. 28052).

Upper Permian: Belmont, N.S.W.

Permithone venosa Davis

= *Permopsychops belmontensis* Tillyard

Holotype F. 39867.

Davis, C., 1943. *Proc. Linn. Soc. N.S.W.*, 68 (1–2), p. 11, text fig. 1; pl. 1, fig. 1.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 85, text fig. 65; pl. 6B, fig. 7.

Upper Permian: Warner's Bay, N.S.W.

Permoberothella perplexa Riek

Holotype forewing F. 42520, paratypes F. 40270, F. 40657.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 80, text fig. 53 (F. 42520); pl. 6A, fig. 24 (F. 42520).

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Permobrachus dubia (Tillyard)

See *Permodipthera dubia* Tillyard

Permobrachus magnus Evans

Holotype tegmen F. 40029

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 183, text fig. 1.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permocapitus globulus Evans

Holotype F. 40078—counterpart F. 40082

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 195, text fig. 48 (F. 40078).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permocephalus knighti Evans

Holotype F. 39865; hypotypes F. 39944, F. 39945,* F. 39967, F. 40449

Evans, J. W., 1943. *Trans. R. Soc. S. Aust.*, 67 (1), p. 8, text fig. 2, pl. 1, fig. 2 (F. 39865)

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 195, text fig. 49 (F. 39967), text fig. 50 (F. 39944), text fig. 51 (F. 40449), text fig. 52 (F. 39945).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Listed incorrectly as F. 33945.

Permochorista affinis Tillyard

= *Mesochorista australica* (Tillyard)

Holotype F. 28466 (orig. No. P3)—counterpart F. 28470

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 288, text fig. 5, pl. 34, fig. 6 (F. 28466).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 60.

Upper Permian: Belmont, N.S.W.

Permochorista angustipennis Tillyard

= *Mesochorista australica* (Tillyard)

Holotype forewing F. 28043 (orig. No. 91)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 270, text fig. 4.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 60.

Upper Permian: Belmont, N.S.W.

Permochorista australica Tillyard

= *Mesochorista australica* (Tillyard)

Holotype F. 39318 (orig. No. 24)

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 733, text fig. 4.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 60.

Upper Permian: Belmont, N.S.W.

Permochorista belli Tillyard

= *Prochoristella belli* (Tillyard)

Holotype hindwing F. 19795 (orig. No. 187)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 272, text fig. 8.

Upper Permian: Warner's Bay, N.S.W.

See also *Prochoristella belli* (Tillyard).

Permochorista collinsi Tillyard

= *Mesochorista australica* (Tillyard)

Holotype forewing F. 28042 (orig. No. 116)—counterpart F. 29031.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 269, text fig. 2 (F. 28042); pl. 15, fig. 2 (F. 28042).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 60, text fig. 13 (F. 29031), pl. 5A, fig. 14 (F. 28042)

Upper Permian: Belmont, N.S.W.

Permochorista inaequalis Tillyard

= *Mesochorista australica* (Tillyard)

Holotype hindwing F. 19792 (orig. No. P. 154)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 272, text fig. 7.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 61.

Upper Permian: Warner's Bay, N.S.W.

Permochorista jucunda Tillyard

= *Mesochorista jucunda* (Tillyard)

Holotype F. 38269—counterpart F. 29032 (orig. No. P. 167), hypotypes F. 40209—counterpart F. 41183, F. 41383, F. 40221, F. 41114, F. 41748, F. 41189, F. 40135, F. 41195, F. 41322—counterpart F. 41321, F. 41365, F. 42495

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 268, text fig. 1 (F. 29032), pl. 15, fig. 1 (F. 38269).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 62, text fig. 18 (F. 38269), text fig. 19 (F. 42495); pl. 5B, fig. 4 (F. 38269), fig. 5 (F. 42459).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permochorista mitchelli Tillyard

= *Mesochorista australica* (Tillyard)

Holotype forewing F. 39317 (orig. No. 26)

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 734, text fig. 5.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 60, text fig. 11B, pl. 5A, fig. 7.

Upper Permian: Belmont, N.S.W.

See also *Mesochorista australica* (Tillyard)

Permochorista pincombei Tillyard

= *Mesochorista australica* (Tillyard)

Holotype forewing F. 19796 (orig. No. 157P)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 269, text fig. 3.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 61.

Upper Permian: Belmont, N.S.W.

Permochorista sinuata Tillyard

= *Mesochorista australica* (Tillyard)

Holotype forewing F. 28463 (orig. No. 55)—counterpart F. 38270, paratype F. 28460 orig. No. 51).

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 287, text fig. 4 (F. 28463), pl. 34, fig. 5 (F. 28463), fig. 6 (F. 28460).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 61.

Upper Permian: Belmont, N.S.W.

(?) *Permodiphthera dubia* Tillyard

= *Permobrachus dubia* (Tillyard)

Holotype tegmen F. 19791 (orig. No. 144)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 24, text fig. 21.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 183.

Upper Permian: Belmont, N.S.W.

Permodiphthera robusta Tillyard

Holotype tegmen F. 28021 (Orig. No. 72)—counterpart F. 29036.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 24, text fig. 20.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 202, text fig. 10J.

Upper Permian: Belmont, N.S.W.

Permofulgor belmontensis Tillyard

Holotype F. 41758 (Orig. No. 31).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 731, text fig. 3.

Upper Permian: Belmont, N.S.W.

Permofulgor indistinctus Tillyard

Holotype F. 41702;—counterpart F. 41758? mentioned F. 41757 (Orig. No. 25*).

Tillyard, R. J., 1922. *Ibid.*, 47 (3), p. 280, text fig. 1. * See p. 282.

Upper Permian: Belmont, N.S.W.

Permoglyphis belmontensis Tillyard

Holotype tegmen F. 28023 (Orig. No. 117).

Tillyard, R. J., 1926. *Ibid.*, 51 (1), p. 22, text fig. 19.

Upper Permian: Belmont, N.S.W.

Permojassus australis Tillyard

Holotype tegmen F. 19782 (Orig. No. 54B)—hindwing F. 19781 (Orig. No. 56).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 8, text fig. 2 (F. 19782), fig. 3 (F. 19781).

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 178, text fig. 2F (F. 19781), text fig. 3N (F. 19782); also mentioned p. 205.

Upper Permian: Warner's Bay, N.S.W.

Permojassus dubius Tillyard

Holotype tegmen F. 19785 (Orig. No. 64).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 8.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 184, text figure, 3K.

Upper Permian: Belmont, N.S.W.

Permomerope australis Tillyard

Holotype hindwing F. 28045 (Orig. No. 100); hypotypes F. 40108*, F. 43119—counterpart F. 43120, F. 41239—counterpart F. 41274.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 275, text fig. 13 (F. 28045).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 56, text fig. 1. (F. 28045), text fig. 2 (F. 40108), text fig. 3 (F. 43119); pl. 5B, fig. 6 (F. 28045), fig. 7 (F. 40108).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Described forewing.

rmomerope nanus Riek

Holotype forewing F. 40233.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 57, text fig. 4.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

ermophilus (?) *minor* Tillyard

Holotype F. 28044.

Tillyard, R. J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 431.

Upper Permian: Belmont, N.S.W.

'ermophilus pincombei Tillyard

Holotype F. 19779 (Orig. No. 23T).

Tillyard, R. J., 1924. *Ibid.*, 49 (4), p. 430, text fig. 1, a.

Upper Permian: Belmont, N.S.W.

'ermopsychops belmontensis Tillyard

Holotype fragment F. 19793 (Orig. No. 156).

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 281, text fig. 18.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 85, text fig. 64 (F. 19793), text fig. 65 (F. 39867)*; pl. 6B, fig. 7 (F. 39867)*.

Upper Permian: Belmont—Warner's Bay, N.S.W.

See also *Permithone venosa* Davis. *Holotype F. 39867.

Permopsyllidium affine Tillyard

Holotype tegmen F. 19789 (orig. No. 89); hypotype F. 40062.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 28, text fig. 26 (F. 19789).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 192, text fig. 34 (F. 40062).

Upper Permian Belmont—Warner's Bay, N.S.W.

Permopsyllidium mitchelli Tillyard

Holotype tegmen F. 28020 (orig. No. 57); hypotypes F. 40069, F. 40063—counterpart F. 40006, F. 40040, F. 39901.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 28, text fig. 25 (F. 28020).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 191, text fig. 31 (F. 40069, text fig. 40 (F. 40006), text fig. 43 (F. 40040), text fig. 45 (F. 39901).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permopsyllidops stanleyi Davis

Holotype forewing F. 39799.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3-4), p. 117, text fig. 9.

Upper Permian: Warner's Bay, N.S.W.

Permopsylloides insolita Evans

Holotype tegmen F. 40727.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 193, text fig. 46.

Upper Permian: Kimble's Hill, near Belmont, N.S.W.

Permorapisma biserialis Tillyard

Holotype forewing F. 28053 (Orig. No. 95)—counterpart F. 29034 (Orig. No. 95a); hypotypes F. 28051* (Orig. No. 86)—counterpart F. 28959 (Orig. No. 86a), F. 40266—counterpart F. 40267, F. 43076—counterpart in two halves F. 43075 and F. 43077, F. 41088, F. 42465, F. 40274, F. 41340, F. 41738, F. 40266, F. 43076, F. 40775**—counterpart F. 40774, F. 41362**, F. 41055**.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (3), p. 279, text fig. 15 and pl. 16, fig. 6 (F. 28053).

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 83, text fig. 59 (F. 28053), text fig. 60 (F. 28051*), text fig. 61 (F. 40266), text fig. 62 (F. 43076), text fig. 63 (F. 40274); pl. 6B, fig. 5 (F. 40266), fig. 6 (F. 28053).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Holotype of *Permorapisma triserialis* Tillyard.

** Doubtfully referred to this species.

Permorapisma triserialis Tillyard

= *Permorapisma biserialis* Tillyard

Holotype F. 28051 (Orig. No. 86—counterpart F. 28959 (Orig. No. 86a).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 279, text fig. 16.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 83, text fig. 60.

Upper Permian: Warner's Bay, N.S.W.

Permoscarta mitchelli Tillyard

Holotype tegmen F. 39316 (Orig. No. 23).

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 52 (4), p. 728, text fig. 2a.

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 19.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 208, text fig. 11H.

Upper Permian: Above Dirty Seam, Newcastle, N.S.W.

Permoscarta triventulata Tillyard

Holotype tegmen F. 19787 (Orig. No. 82).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 20, text fig. 17.

Upper Permian: Warner's Bay, N.S.W.

Permosialis belmontensis Riek

Holotype forewing F. 40700.

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (15), p. 304, text fig. 2.

Upper Permian: Belmont, N.S.W.

Permosmylus pincombeae Tillyard

= *Permithone belmontensis* Tillyard

Holotype fragment F. 19794 (Orig. No. P. 171).

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 281, text fig. 17.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 81.

Upper Permian: Belmont, N.S.W.

Permosyne affinis Tillyard

Holotype F. 28047 (Orig. No. 92).

Tillyard, R. J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 433, pl. 45, fig. 2.

Upper Permian: Belmont, N.S.W.

Permosyne belmontensis Tillyard

Holotype F. 19777 (Orig. No. 13a T).

Tillyard, R. J., 1924. *Ibid.*, 49 (4), p. 433, text fig. 2; pl. 45, fig. 1.

Upper Permian: Belmont, N.S.W.

Permosyne mitchelli Tillyard

Holotype F. 28046 (Orig. No. 79).

Tillyard, R. J. 1924. *Ibid.*, 49 (4), p. 433, pl. 45, fig. 3.

Upper Permian: Belmont, N.S.W.

Permosyne pincombeae Tillyard

Holotype F. 19778 (Orig. No. 14 T).

Tillyard, R. J., 1924. *Ibid.*, 49 (4), p. 433, pl. 45, fig. 4.

Upper Permian: Belmont, N.S.W.

Permotanyderus ableptus Riek

Holotype wing F. 40675; paratypes F. 40140—counterpart F. 40203, F. 41326—counterpart F. 41327, F. 41369.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 75, text fig. 48 (F. 40675); pl. 6A, fig. 23 (F. 40675).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permothea latipennis Tillyard

Holotype tegmen F. 28022 (Orig. No. 85A)—counterpart F. 29038.

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 28, text fig. 27 (F. 28022).

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 235.

Upper Permian: Warner's Bay, N.S.W.

Permotheela scytinopteroides Davis

Holotype forewing F. 39797; paratype F. 39798; hypotype F. 39985.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 116, text fig. 7 (F. 39797), text fig. 8 (F. 39798).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 192, text fig. 39 (F. 39985).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Permovicia obscura Evans

Holotype tegmen F. 40059.

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 189, text fig. 28.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Phipoides elegans Riek

Holotype forewing F. 40144—counterpart F. 40117.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 66, text fig. 25, pl. 6A, fig. 1 (F. 40144).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Pincombea mirabilis Tillyard

Holotype F. 28464 (orig. No. P2).

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (3), p. 282, text fig. 2, pl. 34, fig. 4.

Tillyard, R. J., 1926. *Ibid.*, 51 (2), p. 25.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 237, text fig. 25D.

Upper Permian: Belmont, N.S.W.

Planipennian wings

Mentioned specimens F. 41712 (original No. 87), F. 41714 (original No. 92).

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (2), p. 281.

Upper Permian: Belmont, N.S.W.

Prochoristella anagaura Riek

Holotype forewing F. 41319; paratypes F. 40151, F. 40184, F. 41184, F. 41213—counterpart F. 41214, F. 43103—counterpart F. 43102, F. 40966—counterpart F. 40967, F. 41074—counterpart F. 41049, F. 41598, F. 41311, F. 41254*—counterpart F. 41255*.

Riek, E. F., 1953. *Rec. Aust. Mus.*, 23 (2), p. 72, text fig. 38 (F. 41319), text fig. 39 (F. 41254), text fig. 40 (F. 41074).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Referred doubtfully to this species.

Prochoristella belli (Tillyard)

Holotype hindwing F. 19795 (original No. 187), hypotypes F. 41376, F. 39873, F. 41229*—counterpart F. 41228, F. 40187*.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 73, text fig. 43 (F. 19795), text fig. 44 (F. 39873), pl. 6A, fig. 20 (F. 19795), fig. 21 (F. 39873).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Referred doubtfully to this species.

See *Permochorista belli* Tillyard.

Prochoristella concinna Riek

Holotype hindwing F. 40182.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 73, text fig. 45, pl. 6A, fig. 22.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Prochoristella exilis Riek

Holotype forewing F. 40168; paratypes F. 39907—counterpart same number, F. 40142—counterpart F. 40146.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 72, text fig. 41 (F. 40168), pl. 6A, fig. 18 (F. 40168).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Prochoristella megaloprepia Riek

Holotype forewing F. 40123; paratypes F. 40766, F. 40160, F. 40127, F. 40214, F. 41594, F. 41113, F. 40129, F. 40081*.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 71, text fig. 37 (F. 40123), pl. 6A, fig. 16 (F. 40123), fig. 17 (F. 40081).

Upper Permian: Belmont—Warner's Bay, N.S.W.

* Doubtfully referred to this species.

Prochoristella pusilla Riek

Holotype F. 40061—counterpart F. 40190; paratypes F. 41091, F. 40045, F. 40113.

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 73, text fig. 42 (F. 40061), pl. 6A, fig. 19 (F. 41091).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Prohagla superba Riek

Holotype forewing F. 38264; paratypes F. 41290, F. 43339.

Riek, E. F., 1954. *Ibid.*, 23 (4), p. 164, text fig. 3 (F. 38264), text fig. 4 (F. 41290); pl. 11, fig. 1 (F. 41290), fig. 2 (F. 38264).

Middle Triassic (Hawkesbury Sandstone): Beacon Hill, near Brookvale, Manly, N.S.W.

Proparagryllacris crassifemur Riek

Holotype F. 39251.

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 106, text fig. 2.

Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Protocoleus mitchelli Tillyard

Holotype F. 41710 (original No. 81).

Tillyard, R. J., 1924. *Proc. Linn. Soc. N.S.W.*, 49 (4), p. 434, text fig. 3, pl. 46, fig. 5.

Upper Permian: Belmont, N.S.W.

Protopincombea obscura Evans

Holotype F. 40075.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 193, text fig. 44.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 237.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Protopsyllidiiae—nymph

Figured specimen F. 40083.

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 195, text fig. 54.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Protopsyllidium australe Tillyard

Holotype tegmen (a) F. 19790 (original No. 140); hypotype (b) F. 40724.

Tillyard, R. J., 1926. *Proc. Linn. Soc.* N.S.W., 51 (1), p. 26, text fig. 24 (F. 19790).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 191, text fig. 41 (F. 40724).

Upper Permian: (a) Warner's Bay, (b) Kimble's Hill, near Belmont, N.S.W.

Protopsyllidium sinuatum Davis

Holotype forewing F. 39801—counterpart F. 39802; paratypes F. 39803, F. 40116 (original No. CD–13), F. 40115 (original No. CD–14), F. 40114 (original No. CD–15), F. 39804; hypotypes F. 40067, F. 39997, F. 39983, F. 39981.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 118, text fig. 11 (F. 39801), text fig. 12 (F. 39803), text fig. 13 (F. 40116), text fig. 14 (F. 40115), text fig. 15 (F. 39804).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 191, text fig. 30 (F. 40067), text fig. 32 (F. 39997), text fig. 35 (F. 39983), text fig. 38 (F. 39981), text fig. 41 (F. 40724).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Protosyllops minuta Evans

Holotype tegmen F. 40005.

Evans, J. W., 1943. *Ibid.*, 21 (4), p. 192, text fig. 37.

Upper Permian: Warner's Bay, N.S.W.

Psocopsyllidium media Davis

Holotype forewing F. 39796; hypotype F. 39953.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 116, text fig. 6 (F. 39796).

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 191, text fig. 47 (F. 39953).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Psocoscytina bifida Davis

Holotype tegmen F. 39790—counterpart F. 39791.

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 112, text fig. 1 (F. 39790).

Upper Permian: Warner's Bay, N.S.W.

Psyllidella magna Evans

Holotype tegmen F. 40043—counterpart F. 40047

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 192, text fig. 36.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Psyllidiana davisia Evans

Holotype tegmen F. 40711

Evans, J. W., 1943. *Ibid.*, p. 192, text fig. 33.

Upper Permian: Pincombe's Outcrop, between Belmont and Warner's Bay, N.S.W.

Robinjohnia tillyardi Martynov

Holotype F. 52312

Tillyard, R. J., 1937. *Nature*, 1937, pp. 66–67 (unnamed).

Martynov, O. M., 1948. *Trudy Paleontol. Inst. U.S.S.R.*, 14 (1), pp. 1–674.

Riek, E. F., 1968. *Rec. Aust. Mus.*, 27 (14), p. 188, pl. 44.

Upper Permian: Belmont, N.S.W.

Scytinopterid ?

Figured specimen F. 19780 (orig. number 50)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 20, text fig. 18.

Upper Permian: Belmont, N.S.W.

Stanleyana pulchra Evans

Holotype tegmen F. 40016—counterpart F. 40087

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 188, text fig. 25.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Stenoglyphis kimblensis Evans

Holotype tegmen F. 41206—counterpart F. 41207

Evans, J. W., 1947. *Ibid.*, 21 (8), p. 431, text fig. 1, pl. 40, fig. 1.

Upper Permian: Kimble's Hill, Belmont, N.S.W.

? *Stenoperlidium permianum* Tillyard

Nymph with fore and hindwing rudiments and portion of body preserved, F. 40701.

Riek, E. F., 1968. *Ibid.*, 27 (15), p. 303, pl. 45, fig. 1, text fig. 1.

Upper Permian: Belmont, N.S.W.

Stenoperlidium triassicum Riek

Paratype F. 39256

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 108, text fig. 5.

Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Stenoscytina australiensis Tillyard

Holotype tegmen F. 28027 (orig. number 77)

Tillyard, R. J., 1926. *Proc. Linn. Soc. N.S.W.*, 51 (1), p. 16, text fig. 13.

Upper Permian: Belmont, N.S.W.

Stenovicia angustata Evans

Holotype tegmen F. 40008—counterpart F. 40007

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 189, text fig. 27.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Triassagrion australiensis Tillyard

Holotype F. 39253 (orig. number 290a)

Tillyard, R. J., 1922. *Proc. Linn. Soc. N.S.W.*, 47 (4), p. 456, text fig. 77, pl. 52, fig. 31.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Triassodoecus chinai Evans

Holotype F. 46398.

Evans, J. W., 1963. *Journ. Entom. Soc. Queensl.*, 2, p. 23, text fig. 6.

Middle Triassic (Hawkesbury Sandstone): Brookvale, N.S.W.

Triassolestes epiophlebioides Tillyard

Holotype F. 39266 (orig. number 205a)

Tillyard, R. J., 1918. *Ibid.*, 43 (3), p. 419, text fig. 11.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Triassophlebis stigmata Tillyard

? Holotype F. 39267 (orig. number 82a)

Tillyard, R. J., 1922. *Ibid.*, 47 (4), p. 454, text fig. 76.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Triassopsyche dunstani Tillyard

= *Mesopsyche triareolata* Tillyard

Holotype F. 39228 (orig. number 128a)

Tillyard, R. J., 1917. *Ibid.*, 42 (1), p. 184, text fig. 3, pl 7, fig. 2.

Riek, E. F., 1956. *Aust. J. Zool.*, 4 (1), p. 101.

Upper Triassic (Ipswich Series): Denmark Hill, Ipswich, Queensland.

Triassopsylla plecioides Tillyard

Holotype F. 39331 (orig. number 4)

Tillyard, R. J., 1917. *Proc. Linn. Soc. N.S.W.*, 42 (4), p. 754, text fig. 16.

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 235.

Upper Triassic (Wianamatta Group): Glenlee, N.S.W.

Triassoscytinopsis paranotalis Evans

Holotype tegmen F. 38265

Evans, J. W., 1956. *Aust. J. Zool.*, 4 (2), p. 191, text fig. 5A.

Middle Triassic (Hawkesbury Sandstone): Brookvale, N.S.W.

Tripsyllidium wadei Evans

Holotype wing F. 30980

Evans, J. W., 1956. *Ibid.*, 4 (2), p. 238, text fig. 25H.

Upper Permian: Warner's Bay, N.S.W.

Trychticoloides belmontensis Evans

Holotype tegman F. 50110.

Evans, J. W. 1963. *Journ. Entom. Soc. Queensl.*, 2, p. 21, text fig. 4, pl. 1, fig E.

Upper Permian: Belmont, N.S.W.

Unnamed insect fragment

Figured specimen F. 40077

Evans, J. W., 1943. *Rec. Aust. Mus.*, 21 (4), p. 195, text fig. 55.

Upper Permian: Belmont—Warner's Bay, N.S.W.

Xenochorista sobrina Riek

Holotype forewing F. 43123, paratype F. 43101

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 69, text fig. 34 (F. 43123), pl. 6A, fig. 10 (F. 43123), fig. 11 (F. 43101).

Upper Permian: Belmont—Warner's Bay, N.S.W.

Xenochorista splendida Riek

Holotype forewing F. 40157

Riek, E. F., 1953. *Ibid.*, 23 (2), p. 69, text fig. 33, pl. 6A, fig. 9.

Upper Permian: Between Belmont and Warner's Bay, N.S.W.

Zoropsocus stanleyi Davis

Holotype forewing F. 39805, paratype F. 40248

Davis, C., 1942. *Proc. Linn. Soc. N.S.W.*, 67 (3–4), p. 119, text fig. 16 (F. 39805).

Upper Permian: Warner's Bay, N.S.W.

Echinodermata

Cystoidea

Palaechinus sp.

Figured specimen F. 28030.

Mitchell, J., 1897. *Proc. Linn. Soc. N.S.W.*, 22 (2), p. 258, text fig.

Brown, I., 1963. *Ibid.*, 88 (3), p. 386, pl. 21, fig. D*.

Upper Silurian (Middle Trilobite Bed): Bowning Village, west of Yass, N.S.W.

* Referred to as portion of a cystoid such as *Holocystites* (*Megacystites*) *cylindricus* (Hall).

Blastoidea

Calycoblastus casei Brown

Holotype F. 39408.

Crockford, J. M., and Brown, I. A., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (1–2), p. 168, pl. 4, figs 4–5; text figs 2a–b*.

Brown, I. A., 1941. *J. Proc. R. Soc. N.S.W.*, 75, p. 100, pl. 4, fig. 4, text figs 2a–b.

Permian (Fenestella Shale): Railway cutting, 1 mile west of Branxton Railway Station, N.S.W.

* Described and figured as a "blastoid"—not named.

Metablastus ?

Figured specimen F. 11179.

Griffith Taylor, T., 1906. *Proc. Linn. Soc. N.S.W.*, 31 (1), p. 54, text figs 1–4.

Carboniferous: Berry's Farm, Glen William, near Clarencetown, N.S.W.

Notoblastus brevispinus Brown

Holotype F. 39762.

Brown, I. A., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (1–2), p. 98, pl. 4, figs. 1–3; text figs 1a–c.

Permian (Fenestella Shale): Quarry, 1½ miles south of Kitchener and 4½ miles south of Cessnock, N.S.W.

Rhopaloblastus (?) *belfordi* (Crockford and Brown)

See *Tricoelocrinus* (?) *belfordi* Crockford and Brown

Tricoelocrinus (?) *belfordi* Crockford and Brown = *Rhopaloblastus* (?) *belfordi* (Crockford and Brown).

Holotype (a) F. 39158; paratype (b) F. 39159.

Crockford, J. M., and Brown, I. A., 1940. *Proc. Linn. Soc. N.S.W.*, 65 (1–2), p. 167, pl. 4, figs 1–2 (F. 39158), fig. 3 (F. 39159).

Brown, I. A., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (1–2), p. 102.

Permian (Fenestella Shale): (a) Hillslope about 100 yards west of Jump-Up Creek, portion 14, Parish Belford, 2½ miles north of Belford Railway Station; (b) Jump-Up Creek, below Railway Bridge, ½ mile west of Belford, N.S.W.

Crinoidea

Actinocrinus sp. indet.

Figured specimens F. 35457, F. 46254.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5, p. 77, pl. 20, fig. 6 (F. 46254), fig. 7 (F. 35457).

Carboniferous: Greenhills, Paterson to Dungog Road, County Durham, N.S.W.

Actinocrinus ?

Figured specimen F. 35447 (radial plate).

Etheridge, R., 1892. *Ibid.*, p. 116, pl. 14, fig. 6 (F. 35447); pl. 16, fig. 11 (mislaid).

Permian ("? Nowra Sandstone"). Nowra, County St Vincent, N.S.W.

Aesiocrinus konincki (Clarke).

See *Phialocrinus konincki* (Clarke)

Aesiocrinus ? nodosus (Etheridge)

See *Phialocrinus* ? *nodosus* Etheridge

Aesiocrinus princeps (Etheridge)

See *Phialocrinus princeps* Etheridge

Aesiocrinus ? *stephensi* (Etheridge)

See *Phialocrinus* ? *stephensi* Etheridge

Cactocrinus (?) *brownei* Dun and Benson

Plastoholotype L. 1445*.

Dun, W. S., and Benson, W. N., 1920. *Proc. Linn. Soc. N.S.W.*, 45 (3), p. 342, pl. 19, fig. 1.

Lower Carboniferous: South of the railway line, 4 miles east of Currabubula, N.S.W.

* Original, F. 12454 in Mining Museum, Sydney.

Calceolispongia hindei Etheridge

Figured specimens F. 16427 (AM. 892*, AM. 893), F. 16428 (AM. 894).

Etheridge, R., 1914. *Bull. geol. Surv. West. Aust.*, 58 (Ser. 5), 10, p. 9, pl. 7, fig. 5 (AM. 892*–3), fig. 6 (AM. 894).

Teichert, C., 1949. *Mem. geol. Soc. Am.*, 34, pp. 1–126.

Lower Permian, Noonkanbah Formation): Mount Marmion, Western Australia.

* AM. 892 mislaid.

Isocrinus australis Moore

Hypoplastotype L. 443.

Etheridge, R., 1901. *Bull. geol. Surv. Qd*, 13 (2), p. 6, pl. 3, fig. 1.

Lower Cretaceous (Rolling Downs Formation): Maranoa River, Queensland.

Isocrinus australis var. *albascopularis* Etheridge.

Hypotypes F. 9219–21.

Etheridge, R., 1902. *Mem. geol. Surv. N.S.W.*, Pal. 11 (2), p. 10, pl. 4, figs 7–10* (exclude synonomy).

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (4), p. 251, pl. 28, figs 1–2 (F. 9220), figs 3–4 (F. 9219).

Upper Cretaceous: White Cliffs, N.S.W.

* Specimens missing, possibly in Mining Museum, Sydney.

Crinoidea incertae sedis

Portion of a column, F. 35440.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 115, pl. 13, figs 5–6.

Permian (Shoalhaven Group): Shoalhaven district, N.S.W.

Portion of a column, F. 35616.

Etheridge, R., 1892. *Ibid.*, p. 116, pl. 17, fig. 5.

Permian (Gerringong Volcanics): Gerringong, N.S.W.

Portion of a column, F. 35441.

Etheridge, R., 1892. *Ibid.*, p. 116, pl 18, fig. 2.

Permian (?Nowra Sandstone): Flat Rocks Creek, near Nowra, County St Vincent, N.S.W.

Radial plate, F. 50397.

Etheridge, R., 1892. *Ibid.*, p. 117, pl. 20, fig. 9.

Permian (Gerringong Volcanics): Mt Terry, Jamberoo, N.S.W.

In exp anation of plate referred to as *Tribrachiocrinus* allied to *T. corrugatus* Ratte.

Pentadia corona Dana

= *Phialocrinus konincki* (Clarke)

Plastosyntypes L. 697–8.

Dana, J. D., 1849. *In* United States Exploring expedition during the years 1838–1842 under the command of Charles Wilkes, U.S.N., 10, Geology, p. 713, pl. 10, fig. 10 (original of L. 697), fig. 10a (original of L. 698), non figs 11–12.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 107.

Philip, G. M., 1963. *Proc. Linn. Soc. N.S.W.*, 88 (3), p. 259, Dana's genus *Pentadia* considered to be unrecognizable.

Permian (Gerringong Volcanics): Illawarra, N.S.W.

eriechocrinus? sp. indet

Figured specimen F. 46251.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 79, text fig. 1.

Carboniferous: Greenhills, Paterson to Dungog Road, County Durham, N.S.W.

eriechocrinus (?) *indicator* Etheridge

Holotype F. 46253.

Etheridge, R., 1892. *Ibid.*, p. 78, pl. 22, fig. 4.

?Carboniferous: Chalky Gully, Wollumba River, County Gloucester, N.S.W.

hialocrinus koninckii (Clarke)

= *Aesiocrinus koninckii* (Clarke)

Hypotypes F. 35443, F. 35434, F. 35437.

Etheridge, R., 1892. *Ibid.*, p. 107, pl. 16, fig. 1 (F. 35443), figs 2–4 (F. 35437), fig. 3 (F. 35434).

Branson, C. C., 1948. *Mem. geol. Soc. Am.*, 26, p. 178.

Permian (?Nowra Sandstone): Nowra, County St Vincent, N.S.W.

See also *Pentadia corona* Dana (in part).

hialocrinus ? *nodosus* (Etheridge)

= *Aesiocrinus* ? *nodusus* (Etheridge)

Holotype F. 35458.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 112, pl. 14, figs 4–5.

Branson, C. C., 1948. *Mem. geol. Surv. Am.*, 26, p. 178.

Permian (?Nowra Sandstone): Copper Point, County St Vincent, N.S.W.

Phialocrinus princeps Etheridge

= *Aesiocrinus princeps* (Etheridge)

Syntype F. 35456; plastosyntype L. 1375*.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 110, pl. 17, fig. 1 (mislaid); pl. 18, fig. 1 (L. 1375); pl. 22, fig. 5 (F. 35456).

Branson, C. C., 1948. *Mem. geol. Surv. Am.*, 26, p. 178.

Permian (?Muree Formation): Bow-wow Creek, Mt Vincent, near East Maitland, N.S.W.

*Original specimen in Mining Museum, Sydney.

Phialocrinus ? *stephensi* Etheridge

= *Aesiocrinus stephensi* (Etheridge)

Holotype F. 35433.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 113, pl. 20, figs 1–5.

Branson, C. C., 1948. *Mem. geol. Soc. Am.*, 26, p. 178.

Permian (? Nowra Sandstone): Nowra, County St Vincent, N.S.W.

Pisocrinus (?) *yassensis* Etheridge

Syntypes F. 10137–38.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (5), p. 289, pl. 37, figs 1–13 (all F. 10138), fig. 14 (F. 10137).

Upper Silurian: Limestone Creek, near Yass, N.S.W.

Pisocrinus (?) *yassensis* var. *lobata* Etheridge

Holotype F. 10139.

Etheridge, R., 1904. *Ibid.*, 5 (5), p. 292. pl. 37, fig. 15.

Upper Silurian: Limestone Creek, near Yass, N.S.W.

? *Platycrinus* (basal plates)

Figured specimen F. 46252.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 131, pl. 20, fig. 8.

Carboniferous (Mirari Limestone): Greenhills, Paterson to Dungog Road, County Durham, N.S.W.

Platycrinus (?) *nux* Etheridge

Plastoholotype L. 1312.

Etheridge, R., 1892. *In* Jack, R. L., and Etheridge, R., The Geology and Palaeontology of Queensland and New Guinea. *Publ. geol. Surv. Qd.*, 92, p. 208, pl. 38, fig. 3.

Permian ("Middle or Marine Series of the Bowen River Coal Field"): Richard's Homestead, 3 miles southwest of Mount Britton, Queensland.

Tribrachiocrinus?

Figured specimen F. 35458.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 116, pl. 14, fig. 7.

Permian (Shoalhaven Group): Shoalhaven Heads, County Camden, N.S.W.

Tribrachiocrinus clarkei McCoy

Hypotypes (a) F. 35431, F. 35438, F. 35459 (b) F. 35788, (c) F. 35435–6*

Etheridge, R., 1892. *Ibid.*, p. 90, pl. 15, fig. 5 (F. 35436), fig. 6 (F. 35459), fig. 7 F. 35438), fig. 8 (F. 35431); pl. 17, figs 2–4 (F. 35435); pl. 22, figs 6–7 (F. 35788).

Specimens figured on pl. 13, figs 2–4; pl. 14, fig. 3; pl. 22, figs 8–11 have been mislaid; possibly in Mining Museum, Sydney.

Philip, G. M., 1964. *Proc. Linn. Soc. N.S.W.*, 89 (2), p. 199.

Permian (Gerringong Volcanics): (a) Railway cutting at Wollongong, (b) Minnamurra River, near Jamberoo; (?Nowra Sandstone): (c) Nowra, N.S.W.

In explanation of pl. 15, F. 35436 is listed as *Tribrachiocrinus clarkei* McCoy or *Phialocrinus koninckii* (Clarke).

Tribrachiocrinus corrugatus Ratte

Holotype F. 1297, F. 1367, F. 4012, F. 50396*—portions of a single specimen.

Ratte, F., 1884 (1885) *Proc. Linn. Soc. N.S.W.*, 9 (4), p. 1158, pl. 68, figs. 1–12.

Ratte, F., 1886 (1887). *Ibid.*, 1 (4), p. 1069, pl. 16, figs 3–4.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 95, pl. 16, figs 5–10.

Permian (Gerringong Volcanics): Jamberoo, County Camden, N.S.W.

* Plaster reproduction from external impression.

Tribrachiocrinus allied to T. *corrugatus* Ratte

Radial Plate F. 50397.

Etheridge, R., 1892. *Ibid.*, Pal. 5 (2), p. 117, pl. 20, fig. 9.

Permian (Gerringong Volcanics): Mt Terry, Jamberoo, County Camden, N.S.W.

Tribrachiocrinus granulatus Etheridge

Holotype F. 35442, F. 35446.

Etheridge, R., 1892. *Ibid.*, p. 97, pl. 22, figs 2–3.

Permian (Gerringong Volcanics): Banks of the Minnamurra River, near Jamberoo, County Camden, N.S.W.

Tribrachiocrinus ornatus Etheridge

Holotype F. 35455.

Etheridge, R., 1892. *Ibid.*, p. 94, pl. 19.

Permian (?Nowra Sandstone): Nowra, County St Vincent, N.S.W.

Asteroidea

Etheridgaster clarkei (De Koninck)

See *Palaeaster* (*Monaster*) *clarkei* De Koninck

Palaeaster (*Monaster*) *clarkei* De Koninck*

= *Etheridgaster clarkei* (De Koninck).

Hypotypes F. 35432, F. 35439, F. 35451.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 71, pl. 14, fig. 1 (F. 35451), fig. 2 (F. 35432), pl. 15, fig. 4 (F. 35439).

Gregory, J. W., 1899. *Geol. Mag.*, 6 (8), p. 353.

Permian (Farley Formation): Ravensfield quarry, near Farley, N.S.W.

* Original type material described by De Koninck, L. G., 1877. *Foss. Pal. Nouv-Galles de Sud.*, 3, p. 166, pl. 7, figs 6, was destroyed by fire in 1882.

Palaeaster (*Monaster*) *giganteus* Etheridge

Holotype F. 34561.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 74, pl. 12.

Permian (Farley Formation): Ravensfield quarry, near Farley, N.S.W.

Palaeaster meridionalis Etheridge

Holotype F. 1824.

Etheridge, R., 1891. *Rec. Aust. Mus.*, 1 (10), p. 199, pl. 30, figs 16–17.

Upper Silurian: Moonee Ponds, near Melbourne, Victoria.

Palaeaster (*Monaster*) *stutchburii* Etheridge

Holotype F. 35448—counterpart F. 35444.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 73, pl. 13, fig. 1.

Permian (Farley Formation): Ravensfield quarry, near Farley, N.S.W.

Sturtzaster mitchelli Etheridge

Holotype F. 4800.

Etheridge, R., 1899. *Rec. Aust. Mus.*, 3 (5), p. 128.

Upper Silurian (Upper Trilobite Bed): Bowning, near Yass, N.S.W.

Echinoidea

Archaeocidaris sp. indet.

Figured specimen F. 35453.

Etheridge, R., 1892. *Mem. geol. Surv. N.S.W.*, Pal. 5 (2), p. 69, pl. 22, fig. 1.

Permian (?Branxton Subgroup): Quarry near road passing Dagworth, 5 miles south of West Maitland, County of Northumberland, N.S.W.

Archaeocidaris ? *selwyni* Etheridge

Holotype F. 35452.

Etheridge, R., 1892. *Ibid.*, p. 67, pl. 15, figs 1–3.

Permian (? Nowra Sandstone): Nowra, County St Vincent, N.S.W.

Cavanechinus warreni Brown

Holotype F. 52154

Brown, Ida A., 1967. *Proc. Linn. Soc. N.S.W.*, 92 (2), p. 157, pl. 4, figs 1–5.

Middle Devonian (Murrumbidgee Group, Cavan Bluff Limestone): North side of Burrinjuck Dam, within quarter mile of the west of Taemas Bridge, N.S.W.

Hemipatagus woodsii Etheridge

= *Lovenia forbesi* var. *woodsi* Etheridge

Holotype F. 17500.

Etheridge, R., 1875. *Quart. J. geol. Soc. Lond.*, 31, p. 445, pl. 21, figs 1–7.

Etheridge, R., 1878. A Catalogue of Australian Fossils, pp. 140–141.

Tertiary: East side of Port Phillip Bay, near Mordialloc, Victoria.

Lovenia forbesi var. *woodsi* Etheridge

See *Hemipatagus woodsi* Etheridge

TRACE FOSSILS

Coprolites

Figured specimens F. 8037a, F. 8038a, F. 8039a.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (2), p. 40, pl. 14, fig. 1 (F. 8039a), fig. 2 (F. 8038a), fig. 3 (F. 8037a).

Lower Cretaceous: Point Charles Lighthouse, near Darwin, Northern Territory.

Coprolites

Figured specimens F. 10342–43 (AM. 789).

Etheridge, R., 1907. *Ibid.*, 6 (5), p. 317, pl. 60, fig. 4 (F. 10342), fig. 5 (F. 10343).

Lower Cretaceous: South Central Queensland.

Phosphatic Nodules

Figured specimens F. 9698–99, F. 9701–2.

Etheridge, R., 1904. *Ibid.*, 5 (2), p. 40, pl. 14, fig. 4 (F. 9699), fig. 5 (F. 9701); pl. 15, fig. 1 (F. 9698), fig. 2 (F. 9702).

Lower Cretaceous: Point Charles Lighthouse, Darwin, Northern Territory.

UNCERTAIN PHYLUM, CLASS, AND ORDER

Family Cornulitidae

Cornulites tasmanicus Etheridge

Syntypes F. 2824, F. 52079

Etheridge, R., 1895–6. *Rep. Secr. Mines Tasm.*, p. 44, pl. —, fig. 10 (F. 52079), fig. 11 (F. 2824).

Etheridge, R., 1896–7. *Pap. Proc. R. Soc. Tasm.*, p. 37, pl. —, fig. 10 (F. 52079), fig. 11 (F. 2824).

Silurian (Despatch Limestone): Heazlewood, Tasmania.

HEMICHORDATA

Graptolithina

? *Acanthograptus* sp.

Figured specimen F. 51900.

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 89, pl. 8, fig. 7.

Ordovician (Zone of *Nemagraptus pertenuis*): Tomingley Village, mine spoil-heap, N.S.W.

cf. *Amphigraptus divergens* var. *radiatus* Lapworth.

See *Pleurograptus* (?)

Amplexograptus arctus Elles & Wood

Hypotype F. 29896.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 76, text fig. 6.

Ordovician: Cadia, N.S.W.

Callograptus arundinosus Sherrard

Holotype F. 46382, paratype F. 52321.

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 86, pl. 8, fig. 1 (F. 46382), fig. 2 (F. 52321).

Ordovician (Zone of *Nemagraptus pertenuis*): Tomingley, N.S.W.

Callograptus disjectus Sherrard

Holotype F. 39532.

Sherrard, K., 1956. *Ibid.*, p. 86, pl. 8, fig. 4.
Ordovician (Zone of *Nemagraptus pertenuis*): Cadia, N.S.W.

Clathograptus cf. *geinitzianus* J. Hall

Figured specimen F. 46123.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 56, pl. 14, fig. 5.

Upper Ordovician: Parish Lawson, County Wellesley, N.S.W.

Climacograptus sp.

Figured specimen F. 46102.

Hall, T. S., 1909. *Ibid.*, 8 (4), p. 340, pl. 55, fig. 3.

Upper Ordovician: Tolwong Mine, Tallong, N.S.W.

Climacograptus sp.

Mentioned specimens F. 39699, F. 39696.

Keble, R. A., and Macpherson, J. H., 1941. *Rec. Aust. Mus.*, 21, p. 58.

Middle Ordovician: Narrandera, N.S.W.

Climacograptus affinis T. S. Hall

Holotype F. 46105.

Hall, T. S., 1900. *Rec. geol. Surv. N.S.W.*, 7 (1), p. 16, pl. 6, fig. 2.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 79 (species discussed).

Upper Ordovician: Mandurama, N.S.W.

Climacograptus cf. *antiquus* Lapworth

Figured specimen F. 39695 (mentioned).

Keble, R. A., and Macpherson, J. H., 1941. *Rec. Aust. Mus.*, 21, p. 58.

Middle Ordovician: Narrandera, N.S.W.

Climacograptus bicornis (J. Hall)

Hypotype F. 46100.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 54, pl. 12, fig. 9.

Upper Ordovician: Stockyard Flat Creek, County Wellesley, N.S.W.

Climacograptus bicornis (J. Hall)

Hypotype F. 51920 (original No. S. 616).

Sherrard, K., and Keble, R. A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 307, text fig. 1.

Upper Ordovician: Portion 24, Parish Morumbateman, on Yass-Gunderoo road, 100 yards west of 12th mile post, N.S.W.

Climacograptus bicornis (J. Hall)

Hypotype F. 46098 (mentioned).

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 340.

Upper Ordovician: Tolwong Mine, Tallong, N.S.W.

Climacograptus bicornis (J. Hall)

Hypotype F. 46106 (original No. F. 3412).

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 85, pl. 10, fig. 1 (mentioned).

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Climacograptus bicornis (J. Hall)

F. 20165, mentioned.

Proc. Linn. Soc. N.S.W., 1909, 34, p. 118 (Notes and Exhibits).

Ordovician: Adaminaby Road, Cooma, N.S.W.

Climacograptus bicornis var. *longispina* T. S. Hall

Holotype F. 46106 (original No. F. 3412).

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 54, pl. 12, fig. 8.

Elles and Wood, 1906. *Palaeontogr. Soc. (Monogr.)*, 60, p. 193.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Climacograptus brevis (Elles and Wood)

Hypotypes F. 51905 (original No. S. 1657), and counterpart F. 51911.

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 71, text fig. 16.

Upper Ordovician: Bungonia Creek, Shoalhaven Gorge, N.S.W.

Climacograptus caudatus (Lapworth)

Hypotype F. 51916 (original No. S. 1873).

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 71, text fig. 14.

Upper Ordovician: On track from Long Point to Shoalhaven River, N.S.W.

Climacograptus hastatas T. S. Hall

Holotype F. 46104 (original No. F. 3400); paratypes F. 46101, F. 46103.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 54, pl. 14, fig. 1 (F. 46104), fig. 2 (F. 46103), fig. 3 (F. 46101).

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 84–85, pl. 11, fig. 17.

Harris, J. W., and Thomas, D. E., 1955. *Min. & Geol. Journ. Vict.*, 5 (6), p. 39.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

See also *Orthograptus calcaratus* T. S. Hall.

Climacograptus missilis Keble and Harris

Holotype F. 51928 (original No. S. 602).

Sherrard, K., and Keble, R. A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 308, text fig. 3.

Upper Ordovician: Portion 24, Parish Morumbateman, on Yass-Gundaroo road, N.S.W.

Climacograptus peltifer (Lapworth)

Hypotype F. 51929 (original No. S. 1676).

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 69, text fig. 11a.

Upper Ordovician: Bungonia Creek, Shoalhaven River, N.S.W.

Climacograptus tridentatus (Lapworth)

Hypotype F. 51897 (original No. S. 1662).

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 69, pl. 2, fig. 13, text fig. 12a.

Upper Ordovician: Bungonia Creek, Shoalhaven Gorge, N.S.W.

Climacograptus tridentatus Lapworth or *wilsoni* Lapworth

Hypotype F. 47307.

Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 176, pl. 1, figs 4–5.

Upper Ordovician: Mount Tullebung Mine, 40 miles west of Condobolin, N.S.W.

Climacograptus tubuliferus Lapworth

Hypotypes (a) F. 46096, (b) F. 46097, (c) F. 51935 (original No. S. 591).

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 55, pl. 13, fig. 5 (F. 46096); pl. 14, fig. 4 (F. 46097).

Sherrard, K., and Keble, R. A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 307, text fig. 2, pl. 15, fig. 3 (F. 51935).

Upper Ordovician: (a) Tingaringi, (b) Stockyard Flat Creek, (c) Portion 61, Parish Manton, N.S.W.

Climacograptus wilsoni var. *tubularis* Elles and Wood

Hypotype F. 51902.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 96, pl. 11, fig. 18.

Ordovician: Wagga, N.S.W.

Corynoides calicularis Nicholson

Hypotype F. 51913 (orig. No. S. 1670).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 78, text fig. 32.

Upper Ordovician: Bungonia Creek, Shoalhaven Gorge, N.S.W.

Cryptograptus tricornis (Carruthers)

Hypotypes (a) F. 46113–14, F. 46119, (b) F. 51923 (orig. No. S. 1659).

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 340.

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), text fig. 24b (F. 51923).

Upper Ordovician: (a) Tallong, Upper Shoalhaven, (b) Bungonia Creek, Shoalhaven Gorge, N.S.W.

? *Dendrograptus* sp.

Figured specimen F. 46387.

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 87, pl. 8, fig. 8.

Upper Ordovician: Tomingley, N.S.W.

Dendrograptus nudus Sherrard

Holotype F. 46384.

Sherrard, K., 1956. *Ibid.*, 81 (1), p. 87, pl. 8, fig. 5.

Upper Ordovician: Tomingley, N.S.W.

Dendrograptus rectangulosus Sherrard

Holotype F. 46383, paratype F. 51909.

Sherrard, K., 1956. *Ibid.*, 81 (1), p. 86, pl. 8, fig. 3 (F. 51909), fig. 6 (F. 46383).

Upper Ordovician: Tomingley, N.S.W.

Desmograptus quinquelateralis Sherrard

Holotype F. 46389, paratype F. 51918 (Orig. No. S. 1729).

Sherrard, K., 1956. *Ibid.*, p. 88, pl. 7, fig. 5 (F. 46389), fig. 6 (F. 51918).

Upper Ordovician: Tomingley, N.S.W.

Desmograptus spongiosus Sherrard

Holotype F. 46386.

Sherrard, K., 1956. *Ibid.*, p. 88, pl. 8, fig. 9.

Upper Ordovician: Tomingley, N.S.W.

Dicellograptus affinis T. S. Hall

= *Dicellograptus elegans* Carruthers

(a) Holotype F. 46089 (Orig. No. F. 3402*); paratype F. 46088; (b) hypotype F. 51899.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 51, pl. 12, fig. 2 (F. 46088); pl. 13, fig. 1 (F. 46089), fig. 2 (F. 46088).

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 85, pl. 10, fig. 6 (F. 51899), fig. 7 (F. 46089).

Upper Ordovician: (a) Stockyard Flat Creek; (b) Yass River, N.S.W.

*Slab with several species.

Dicellograptus angulatus Elles and Wood

Hypotype F. 51931 (Orig. No. S. 1771).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 66, text fig. 3b.

Upper Ordovician: Eastern edge of portion 75, Parish of Bumballa, N.S.W.

Dicellograptus caduceus Lapworth

Holotype F. 51937 & counterpart F. 51938.

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 66, text fig. 1, pl. 1, fig. 1.

Upper Ordovician: Junction of Barber's Creek & Shoalhaven River, N.S.W.

Dicellograptus complanatus ornatus Elles & Wood

Hypotype F. 46136.

Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 175, pl. 1, fig. 1.

Upper Ordovician: Adaminaby, N.S.W.

Dicellograptus cf. *divaricatus* J. Hall

Figured specimens F. 46095, F. 46089 (Orig. No. F. 3402).

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 52, pl. 12, fig. 3 (F. 46095); pl. 13, fig. 3 (F. 46089).

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 85.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Dicellograptus divaricatus Hall. var. *rigidis* Lapworth

Hypotype F. 51925 (Orig. No. S. 581).

Sherrard, K., & Keble, R. A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 309, text fig. 9.

Upper Ordovician: Portion 61, Parish Manton, N.S.W.

Dicellograptus elegans Carruthers

Hypotypes F. 46093, F. 46124.

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 340.

Upper Ordovician: (Tolwong) Tallong, N.S.W.

Dicellograptus elegans Carruthers

Hypotype F. 51915 (orig. No. S. 577)

Sherrard, K., and Keble, R. A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 310, text fig. 11.

Upper Ordovician: Portion 152, Parish Manton, about centre of portion, 50 yards north of Yass River, N.S.W.

See also *Dicellograptus affinis* T. S. Hall.

Dicellograptus cf. *forchammeri* Geinitz

Figured specimen F. 51912 (orig. No. S. 1761)

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 66, text fig. 4, pl. 1, fig. 2.

Ordovician: Eastern edge, portion 95, Parish Bumbalia, near disused mining shafts in dry hanging tributary to Digger's Creek, N.S.W.

Dicellograptus cf. *moffatensis* Carruthers

Figured specimen F. 51924 (orig. No. S. 560)

Sherrard, K., and Keble, R. A., 1937. *Ibid.*, 62 (5–6), p. 311, text fig. 12.

Upper Ordovician: Portion 152, Parish Manton, 50 yards north of Yass River, N.S.W.

Dicellograptus morrisi Hopkinson

(a) Hypotypes F. 46089 (orig. No. F. 3402); (b) F. 51910

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 85, pl. 10, fig. 7 (F. 46089); pl. 11, fig. 10 (F. 51910).

Upper Ordovician: (a) Stockyard Flat Creek; (b) Wambrook Creek, Portion 40, Parish Lake, 11 miles west of Cooma, N.S.W.

Dicellograptus patulosus Lapworth

Hypotype F. 49385

Sherrard, K., 1954. *Ibid.* 87 (3), p. 82 (listed).

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 82 (mentioned).

Upper Ordovician: Tomingley, N.S.W.

Dicellograptus cf. *pumilus* Lapworth

Figured specimen F. 51926 (orig. No. S. 564)

Sherrard, K., and Keble, R. A., 1937. *Ibid.* 62 (5–6), p. 311, text fig. 13.

Upper Ordovician: Portion 152, Parish Manton, about centre of portion, 50 yards north of Yass River, N.S.W.

Dicellograptus cf. *sextans* Hall

Figured specimen F. 51919 (orig. No. S. 554)

Sherrard, K., and Keble, R. A., 1937. *Ibid.*, 62 (5–6), p. 309, text fig. 10.

Upper Ordovician: Portion 152, Parish Manton, about centre of portion, 50 yards north of Yass River, N.S.W.

Dicellograptus cf. *smithi* Ruedemann

Figured specimen F. 51933 (orig. No. S. 565)

Sherrard, K., and Keble, R. A., 1937. *Ibid.* 62 (5–6), p. 311, text fig. 14.

Upper Ordovician: Portion 152, Parish Manton, about centre of portion, 50 yards north of Yass River, N.S.W.

Dicranograptus cf. *cyathiformis* Elles and Wood

Figured specimen F. 46115

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 340, pl. 55, fig. 2.

Upper Ordovician: Tallong, N.S.W.

Dicranograptus hians T. S. Hall

See *Dicranograptus hians* var. *apertus* T. S. Hall

Dicranograptus hians var. *apertus* T. S. Hall

= *Dicranograptus hians* T. S. Hall

Holotype F. 46116

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 340, pl. 55, text fig. 1.

Harris, W. J., and Thomas, D. E., 1955. *Min. geol. Journ. Vict.*, 5 (6), p. 42.

Upper Ordovician: Tallong, N.S.W.

Dicranograptus nicholsoni Hopkinson

Hypotypes (a) F. 51917 (orig. No. S. 1678), F. 51905—counterpart F. 51911 (orig. No. S. 1657); mentioned (b) F. 46117

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), p. 339.

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 67, text fig. 6A (F. 51905), text fig. 6B (F. 51917); pl. 1, fig. 3 (F. 51905).

Upper Ordovician: (a) Bungonia Creek, Shoalhaven Gorge, (b) Tallong, N.S.W.

Dicranograptus cf. *rectus* Hopkinson

Figured specimen F. 46626.

Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 176, text fig. 1A, p. 172.

Upper Ordovician: Yerranderie, N.S.W.

Dicranograptus ziczac var. *minimus* Lapworth

Hypotype F. 46118.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 52, pl. 12, fig. 5.

Upper Ordovician: Parish Lawson, County Wellesley, N.S.W.

Dictyonema sp.

Figured specimen F. 44611.

Brown, I. A., and Sherrard, K., 1951. *J. Proc. R. Soc. N.S.W.*, 85 (4), p. 133, pl. 8, fig. e.

Upper Silurian: Portion 7, Yass, N.S.W.

? *Dictyonema* sp.

Figured specimen F. 46390 (mislaid).

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 48, pl. 8, fig. 9.

Upper Silurian: Bowning, N.S.W.

Dictyonema vinculosum Sherrard

Holotype F. 46388.

Sherrard, K., 1956. *Ibid.*, 81 (1), p. 84, text fig. 2.

Upper Silurian: Portion 34, Parish Derrengullen (Silverdale), northwest of Yass, N.S.W.

Diplograptus sp.

Figured specimen F. 46109.

Hall, T. S., 1900. *Rec. geol. Surv. N.S.W.*, 7 (1), p. 17, pl. 6, fig. 3.

Upper Ordovician: Belubula River, Mandurama, N.S.W.

Diplograptus (*Orthograptus*) *apiculatus* (Elles and Wood)

Hypotype F. 51897 (orig. No. S. 1662).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 ( ), p. 73, pl. 2, fig. 7, text fig. 21A.

Upper Ordovician: Bungonia Creek, Shoalhaven Gorge, N.S.W.

Diplograptus (*Orthograptus*) *calcaratus* Lapworth

Hypotypes (a) F. 51928 (orig. No. S. 602), (b) F. 51897 (orig. No. S. 1662).

Sherrard, K., and Keble, R. A., 1937. *Ibid.*, 62 (1–2), p. 309, text fig. 5 (F. 51928).

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 72, pl. 2, fig. 6, text fig. 19 (F. 51897).

Upper Ordovician: (a) Portion 24, Parish Morumbateman, on Yass—Gundaroo Road, (b) Bungonia Creek, Shoalhaven Gorge, N.S.W.

Diplograptus (*Orthograptus*) *calcaratus* Lapworth var. *basilicus* Lapworth

Hypotype F. 51927 (orig. No. S. 576).

Sherrard, K., and Keble, R. A., 1937. *Ibid.*, 62 (5–6), p. 309, text fig. 6.

Upper Ordovician: Portion 61, Parish Manton, N.S.W.

Diplograptus carnei T. S. Hall*

Holotype F. 46108.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 53, pl. 12, fig. 6.

Hall, T. S., 1909. *Ibid.*, 8 (4), p. 339.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

* Harris, W. J., and Thomas, D. E., 1955. *Min. & Geol. Journ. Vict.*, 5 (6), p. 35, regard *Diplograptus carnei* T. S. Hall, as a synonym of varieties of *Diplograptus* (*Orthograptus*) *truncatus* Lapworth.

Diplograptus foliaceus Murchison*

Hypotype F. 46112.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 53, pl. 12, fig. 6.

Hall, T. S., 1909. *Ibid.*, 8 (4), pp. 338–340 (mentioned).

Upper Ordovician: Stockyard Flat Creek, N.S.W.

* Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 172, considers *Diplograptus foliaceus* T. S. Hall (non Murchison) to be a synonym of *Orthograptus calcaratus vulgatus* Murchison.

Diplograptus manduramae T. S. Hall.

Holotype F. 46109.

Hall, T. S., 1900. *Rec. geol. Surv. N.S.W.*, 7 (1), p. 16, pl. 6, fig. 2.

Upper Ordovician: Belubula River, Mandurama, N.S.W.

Diplograptus (*Glyptograptus*) *rostratus* Sherrard

Syntype F. 51906 (orig. No. S. 1926).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 73, pl. 2, fig. 10; text fig. 22A.

Upper Ordovician: Two hundred yards upstream from Badgery's Creek crossing of the Shoalhaven River, N.S.W.

Diplograptus (*Orthograptus*) *truncatus* Lapworth

See *Diplograptus carnei* T. S. Hall

Diplograptus (*Orthograptus*) cf. *truncatus* Lapworth

Hypotype F. 51921 (Orig. No. S. 605).

Sherrard, K., and Keble, R. A., 1937. *Ibid.*, 62 (5–6), p. 308, text fig. 4.

Upper Ordovician: Portion 24, Parish Morumbateman, on Yass-Gundaroo Road, N.S.W.

Diplograptus (*Orthograptus*) *truncatus* var. *pauperatus* (Elles & Wood)

Hypotype F. 51922 (Orig. No. S. 1648).

Sherrard, K., 1949. *Ibid.*, 74 (1–2), p. 72, text fig. 18.

Upper Ordovician: Junction of Barber's Creek and Shoalhaven River, N.S.W.

Glossograptus sp.

Figured specimen F. 39694.

Keble, R. A., and Macpherson, J. H., 1941. *Rec. Aust. Mus*, 21 (1), p. 58 (mentioned).

Middle Ordovician: Narrandera, N.S.W.

Glossograptus hincksii (Hopkinson)

Hypotype F. 39697.

Keble, R. A., and Macpherson, J. H., 1941. *Ibid.*, 21 (1), p. 58, text fig. 1.

Middle Ordovician: Narrandera, N.S.W.

95540—6

Glossograptus quadrimucronatus Hall

Hypotypes F. 46119, F. 46120, F. 46121, F. 46124.

Hall, T. S., 1909. *Rec. geol. Surv. N.S.W.*, 8 (4), pp. 339–340 (mentioned).

Upper Ordovician: Tolwong Mine (Tallong), N.S.W.

Glyptograptus tertetiusculus (Hisinger)

Hypotype F. 51907.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 98, pl. 11, fig. 16.

Ordovician (Zone of *Nemagraptus pertenuis*): Licking Hole Creek, Mandurama, N.S.W.

Glyptograptus rostratus Sherrard

See *Diplograptus* (*Orthograptus*) *rostratus* Sherrard

Hallograptus mucronatus (Hall)

Hypotype F. 51930.

Sherrard, K., 1954. *Ibid.*, 87 (3), p. 94, pl. 11, fig. 15.

Ordovician: Tumut Pond, south of Tumut River, N.S.W.

Isograptus caduceus var. *tenuis* Harris

Hypotype F. 51903.

Sherrard, K., 1954. *Ibid.*, 87 (3), p. 94, pl. 10, fig. 5.

Sherrard, K., 1956. *Proc. Linn. Soc. N.S.W.*, 81 (1), p. 90.

Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 169.

Ordovician (Zone of *Nemagraptus pertenuis*): Licking Hole Creek, Mandurama, N.S.W.

Lasiograptus harknessi (Nicholson)

Hypotype F. 51914 (Orig. No. S. 1777).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 75, text fig. 27c.

Upper Ordovician: On track from Long Point to Shoalhaven River, N.S.W.

Leptograptus capillaris (Carruthers)

Hypotype F. 51901.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 95, pl. 11, fig. 8.

Upper Ordovician: Public Reserve, Long Point Lookout, Tallong, N.S.W.

cf. *Mastigograptus* sp. indet.

Figured specimen F. 51932 (Orig. No. S. 1667).

Sherrard, K., 1949. *Proc. Linn. Soc. N.S.W.*, 74 (1–2), p. 76, text fig. 31a, b.

Upper Ordovician: Bungonia Creek, N.S.W.

Mesograptus ingens (T. S. Hall)

Hypotype F. 30418.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 97.

Upper Ordovician: Queanbeyan, N.S.W.

Monograptus bohemicus (Barrande)

Hypotype F. 44610.

Brown, I. A., and Sherrard, K., 1952. *Ibid.*, 85 (4), p. 130, pl. 8, fig. d.

Upper Silurian: Portion 7, Parish Hume, Yass, N.S.W.

Monograptus crinitus Wood

Hypotype F. 44615.

Brown, I. A., and Sherrard, K., 1952. *Ibid.*, 85 (4), p. 132, text fig. 2a.

Upper Silurian: Portion 7, Parish Hume, Yass, N.S.W.

Monograptus cf. *dubius* Suess

Figured specimen F. 27775.

Hall, T. S., 1902. *Proc. Linn. Soc. N.S.W.*, 27 (4), p. 654, text fig. 1.

Upper Silurian: Belle Vale, near Yass, N.S.W.

Monograptus flemingii (Salter)

Hypotype F. 51934 (Orig. No. S. 333).

Sherrard, K., & Keble, R. A., 1937. *Ibid.*, 62 (5–6), p. 313, pl. 15, fig. 4, text fig. 20.

Silurian: Portion 34, Parish Derrengullen, N.S.W.

Monograptus flemingii var. *compactus* Elles & Wood

Hypotype F. 51940.

Sherrard, K., 1951. *J. Proc. R. Soc. N.S.W.*, 85 (2), p. 77, pl. 6, fig. 3.

Silurian: Portion 55, Parish Ginninderra, N.S.W.

Monograptus nilssoni (Barrande) including *"Linograptus"*

Hypotype F. 44609, F. 44612, F. 44613.

Sherrard, K., and Brown, I. A., 1952. *Ibid.*, 85 (4), p. 131, pl. 8, fig. c (F. 44609), fig. f (F. 44612); text figs 2g, h (F. 44613).

Sherrard, K., 1954. *Ibid.*, 87 (3), p. 91 (mentioned).

Upper Silurian: Portion 7, Parish Hume, Yass, N.S.W.

Monograptus roemeri (Barrande)

Hypotype F. 44614.

Brown, I. A., & Sherrard, K., 1952. *Ibid.*, p. 133, pl. 8, fig. g, text fig. 2f.

Upper Silurian: Portion 7, Parish Hume, Yass, N.S.W.

Monograptus salweyi (Hopkinson)

Hypotypes F. 44607, F. 44608.

Brown, I. A. and Sherrard, K., 1952. *Ibid.*, p. 132, pl. 8, fig. a (F. 44607), fig. b and text fig. 2b (F. 44608).

Upper Silurian: Portion 15, Parish Hume, Yass, N.S.W.

For discussion on this species see *J. geol. Soc. Aust.*, 1968, 15 (2), pp. 351–2.

Monograptus cf. *tumescens* Wood

Figured specimen F. 51936 (Orig. No. S. 31).

Sherrard, K. and Keble, R.A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 312, text fig. 17.

Silurian: Portion 34, Parish Derrengullen, N.S.W.

Monograptus cf. *vomerinus* (Nicholson)

Figured specimen F. 51939 (Orig. No. S.9).

Sherrard, K., and Keble, R.A., 1937. *Ibid.*, 62 (5–6), p. 313, text fig. 19.

Silurian: Portion 34, Parish Derrengullen, N.S.W.

Nemagraptus explanatus var. *pertenuis* (Lapworth)

Hypotype F. 51908.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 95, pl. 10, fig. 2.

Ordovician (Zone of *Nemagraptus pertenuis*): Licking Hole Creek, Mandurama, N.S.W.

Orthograptus calcaratus T. S. Hall

See *Climacograptus hastatus* T. S. Hall

Orthograptus calcaratus vulgatus Murchison

See *Diplograptus foliaceus* Murchison

Orthograptus pageanus var. *abnormispinosus* Elles and Wood

Hypotype F. 51898.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 96, pl. 11, fig. 11.

Upper Ordovician: Barber's Creek, about one mile upstream from junction with Shoalhaven River, N.S.W.

?*Plegmatograptus nebula caudatus* (T. S. Hall)

Hypotype F. 49386.

Sherrard, K., 1962. *Ibid.*, 95 (5), p. 177, pl. 1, fig. 9.

Upper Ordovician: Captain's Flat, N.S.W.

See also *Retiolites caudatus* T. S. Hall.

Pleurograptus (?)

= cf. *Amphigraptus divergens* var. *radiatus* (Lapworth).

Figured specimen F. 46106 (Orig. No. F. 3412).

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 51, pl. 10, fig. 1.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 85, pl. 10, fig. 1.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Protospongia sp.

= *Plegmatograptus caudatus* (T. S. Hall).*

Mentioned specimen F. 46133.

Dun, W. S., 1897. *Proc. Linn. Soc. N.S.W.*, 22 (2), p. 437.

Upper Ordovician: Parish Alexander, County Wellesley, N.S.W.

* Specimen identified by Dr D. Thomas and Mrs K. Sherrard.

Ptilograptus scalaris Sherrard

Holotype F. 46385.

Sherrard, K., 1956. *Ibid.*, 81 (1), p. 89, pl. 8, fig. 11.

Upper Ordovician: Woodstock Municipal Quarry, N.S.W.

Retiograptus geinitzianus Hall

Hypotype F. 51904.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 99, pl. 11, fig. 20.

Ordovician (Zone of *Nemagraptus pertenuis*): Licking Hole Creek, Mandurama, N.S.W.

Retiograptus yassensis Sherrard and Keble

Holotype F. 49149.

Sherrard, K., & Keble, R.A., 1937. *Proc. Linn. Soc. N.S.W.*, 62 (5–6), p. 311, pl. 15, fig. 1.

Upper Ordovician: Portion 1, Parish Mundoonen, 200 yards north of Morumbateman road junction, N.S.W.

Retiolites caudatus T. S. Hall

= *Plegmatograptus nebula caudatus* (T. S. Hall)

Holotype F. 46122.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 56, pl. 14, fig. 6.

Sherrard, K., 1962. *J. Proc. R. Soc. N.S.W.*, 95 (5), p. 177.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Retiolitidae gen.?

Figured specimen F. 44215.

Hall, T. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 57, pl. 14, fig. 7.

Upper Ordovician: Stockyard Flat Creek, N.S.W.

Tetragraptus quadribrachiatus J. Hall

Hypotypes F. 39696, F. 39697.

Keble, R. A., and Macpherson, J. H., 1941. *Rec. Aust. Mus.*, 21 (1), p. 58, text fig. 1.

Sherrard, K., 1954. *J. Proc. R. Soc. N.S.W.*, 87 (3), p. 78 (mentioned).

Middle Ordovician: Narrandera, N.S.W.

VERTEBRATA
Pisces

Aetheolepis mirabilis Woodward

Holotype MF. 260—counterpart MF. 262; paratypes MF. 266, MF. 264—counterpart MF. 265; hypotypes MF. 261—counterpart MF. 263; mentioned F. 4110.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 12, pl. 3, fig. 6 (MF. 266); pl. 4, fig. 1 (MF. 260), figs 2–7 (MF. 264); mentioned (p. 13), (b) MF. 263.

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 81, pl. 3, fig. 1 (MF. 263); text fig. 7* (MF. 261 and MF. 263); mentioned F. 4110.

Jurassic: Talbragar, N.S.W.

* Composite drawing.

Antiarchi indet.

Figured specimens F. 43408–9.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4 Second Half), p. 855, pl. 57, fig. 1 (F. 43409), fig. 6 (F. 43408).

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Apateolepis australis Woodward

Holotype MF. 175; paratype MF. 186.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 13, pl. 4, fig. 1 (MF. 175), fig. 2 (MF. 186b).

Triassic: Gosford, N.S.W.

Aphnelepis sp.

Figured specimen MF. 273—counterpart MF. 274.

Woodward, A. S., 1895. *Ibid.*, Pal. 9, p. 12, pl. 3, fig. 5.

Jurassic: Talbragar, N.S.W.

Aphelepis australis Woodward

Holotype MF. 267—counterpart MF. 268; paratypes MF. 269–70, MF. 271—counterpart MF. 272, ?MF. 273–4; mentioned MF. 27070, F. 39294, MF. 275.

Woodward, A. S., 1895. *Ibid.*, p. 9, pl. 3, fig. 1 (MF. 267), fig. 2 (MF. 269), fig. 3 (MF. 270), fig. 4 (MF. 271), fig. 5 (?MF. 273 or MF. 274); mentioned (p. 9), (e) MF. 275.

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 78, pl. 3, fig. 3 (MF. 271), text fig. 6* (MF. 271 and MF. 272); mentioned F. 27070, F. 39294, MF. 273–4.

Jurassic: Talbragar, N.S.W.

* Composite drawing.

Archaeomaene robustus Woodward

= *Madariscus robustus* (Woodward)

Holotype MF. 250; paratypes MF. 252, MF. 254; hypotype MF. 256; mentioned MF. 251, MF. 253, MF. 255.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal 9, p. 18, pl. 5, fig. 2 (MF. 250), fig. 3 (MF. 252), fig. 4 (MF. 254); mentioned (p. 18), (b) MF. 251, (c) MF. 255, (d) MF. 253.

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 76, pl. 3, fig. 2 and text fig. 5* (MF. 256); mentioned MF. 250, MF. 252, MF. 255–6.

Jurassic: Talbragar, N.S.W.

* Composite drawing.

Archaeomaene tenuis Woodward

Holotype F. 13321 (original No. 69*); paratype MF. 257; hypotypes F. 39292–3, MF. 761; mentioned MF. 258–9.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 16, pl. 2, fig. 5 (F. 13321*), fig. 6 (MF. 257); mentioned (p. 16), MF. 258–9.

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 73, text fig. 1**, pl. 2, fig. 1 (F. 39292), text fig. 2** (MF. 761), text fig. 3** and pl. 2, fig. 2 (MF. 39293), fig. 4 (holotype restoration).

Jurassic: Talbragar, N.S.W.

* Holotype (F. 13321) in Mining Museum, Sydney.

** Composite drawings.

Asterolepid plate

Figured specimen F. 43416.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 855, text fig. 3.

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Atherstonia australis Woodward

Holotype MF. 180.

Woodward, A. S., 1902. *Rec. geol. Surv. N.S.W.*, 7 (2), p. 88, pl. 24.

Voisey, A. H., 1939. *Proc. Linn. Soc. N.S.W.*, 64 (3–4), p. 400.

Carboniferous: Harrington, N.S.W.

Belonorhynchus gigas Woodward

Holotype F. 50973; paratypes MF. 195, F. 50972, MF. 190.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 23, pl. 8, fig. 6 (MF. 195); pl. 9, fig. 1 (F. 50973), fig. 2 (F. 50972); pl. 10, fig. 1 (mislaid*), fig. 2 (MF. 190).

Lower Triassic: Gosford, N.S.W.

* Possibly in Mining Museum, Sydney.

Belichthys minimus Wade

Mentioned specimen F. 18649.

Wade, R. T., 1935. *The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.)*, p. 8.

Middle Triassic (Hawkesbury Sandstone): Brookvale, near Sydney, N.S.W.

Bothriolepis spp.

Figured specimens (a) F. 43405, (b) F. 43414, (c) F. 43403, (d) F. 43411

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 853, pl. 56, fig. 5 (F. 43405), fig. 6 (F. 43414), fig. 7 (F. 43403), fig. 8 (F. 43411).

Hills, E. S., 1936. *Proc. R. Soc. Vict.*, 48 (2), p. 168, mentioned F. 43411.

Upper Devonian: (a) Harvey's Range, near Parkes, (b) loc.?, (c) Jemalong Gap, west of Forbes, (d) western flank of Canoblas, near Orange, N.S.W.

Brookvalia gracilis Wade

Mentioned F. 18608–09, F. 18611, F. 18637, F. 18626,* F. 16833*

Wade, R. T., 1935. *The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.)*, p. 21.

Middle Triassic (Hawkesbury Sandstone): Brookvale, N.S.W.

Holotype P. 15799—counterpart P. 15800 in British Museum (Nat. Hist.).

* Incorrect numbers, possibly F. 18636 and F. 18638.

Buchanosteus murrumbidgeensis White

Plastoholotype F. 45253*

White, E., 1952. *Bull. Br. Mus. Nat. Hist., Geol.* 1, (9), p. 267, pl. 30, figs 1–3; pl. 31, figs 1–2; text figs 20–25.

Middle Devonian: Parish of Taemas, Murrumbidgee R., N.S.W.

* Original in British Museum (Natural History).

Carcharadon angustidens (Agassiz)

Plastohypotype L. 1076

McCoy, F., 1874. *Prodromus of the Palaeontology of Victoria, or, figures and descriptions of Victorian organic remains*, Decade 2, p. 8, pl. 11, fig. 3.

Tertiary (Miocene): Bird Rock, near Geelong, Victoria.

Carcharadon megalodon (Agassiz)

Plastohypotype L. 1376

McCoy, F., 1874. *Ibid.*, p. 9, pl. 11, figs 4, 4a–b.

Tertiary (Miocene): Bird Rock, near Geelong, Victoria.

Chrotichthys gregarius (Woodward)

See *Pholidophorus gregarius* Woodward

? *Cladocyclus sweeti* Woodward (Teleostean vertebrae)

Figured specimen F. 3231 (cast)

Woodward, A. S., 1894. *Ann. Mag. Nat. Hist.*, 14 (ser. 6), p. 445, pl. 10, fig. 7.

Lower Cretaceous: Richmond Downs, Queensland.

Cleithrolepis (?)*altus* Woodward

= *Cleithrolepis alta* Woodward

Holotype counterpart F. 48140*

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 42, pl. 8, fig. 4.

Wade, R. T., 1935. *The Triassic Fishes of Brookvale, N.S.W., British Museum (Nat. Hist.)*, p. 57.

Lower Triassic: Gosford, N.S.W.

* Holotype (F. 128) in Mining Museum, Sydney.

Cleithrolepis granulatus Egerton

= *Cleithrolepis granulata* Egerton

Lectotype (a) F. 1471*; hypotypes (b) MF. 176, MF. 184–5, F. 50971; mentioned (c) F. 18500, F. 18587, F. 18653, F. 18580

Egerton, P. de M. G., 1863. *Quart. J. geol. Soc. Lond.*, 20 (1), p. 1, pl. 1, fig. 2 (mislaid), fig. 3 (F. 1471).

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 39, pl. 7, fig. 1 (MF. 176), figs 2–3 (F. 50971), fig. 4 (?), fig. 5 (MF. 184), fig. 6 (?), fig. 7 (MF. 185).

Wade, R. T., 1935. *The Triassic Fishes of Brookvale, N.S.W., Brit Mus. (Nat. Hist.)*, p. 49, text fig. 22 (F. 1471).

Middle Triassic: (a) Cockatoo Island, Port Jackson, (c) Brookvale; Lower Triassic: (b) Gosford, N.S.W.

* Designated by Wade (p. 49).

Coccolepis (?) sp.

Figured specimen MF. 245

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 7, pl. 2, fig. 3.

Jurassic: Talbragar, N.S.W.

Coccolepis australis Woodward

Holotype MF. 242—counterpart MF. 243; paratypes MF. 244, MF. 246–7

Woodward, A. S., 1895. *Ibid.*, p. 5, pl. 1, fig. 1a–d (MF. 242–3), figs 2, 2a (MF. 244); pl. 2, fig. 4 (MF. 246); pl. 5, fig. 1 (MF. 247).

Jurassic: Talbragar, N.S.W.

Coelacanth (undetermined)

Figured specimen MF. 248—counterpart MF. 249

Woodward, A. S., 1895. *Ibid.*, p. 3, pl. 2, fig. 1.

Jurassic: Talbragar, N.S.W.

Corunegenys bowralensis Wade
Holotype F. 18864

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (4), p. 145, pl. 7, fig. 2, text fig. 1.

Upper Triassic (Wianamatta Group): Bowral Brickworks, Bowral, N.S.W.

Crossopterygii indet.

Figured specimen F. 43406

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 856, pl. 56, fig. 1.

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Dictyopyge illustrans Woodward

Holotype F. 123*; paratypes F. 13342,* MF. 171; mentioned MF. 172.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 18, pl. 4, fig. 7 (F. 123*), fig. 8 (F. 13342*), fig. 9 (MF. 171); mentioned (p. 19), (c) MF. 172.

Lower Triassic: Gosford, N.S.W.

* Specimens in Mining Museum, Sydney.

Dictyopyge robusta Woodward

Holotype MF. 170; paratype MF. 169.

Woodward, A. S., 1890. *Ibid.*, p. 20, pl. 3, fig. 4 (MF. 170), fig. 5 (MF. 169).

Lower Triassic: Gosford, N.S.W.

Dictyopyge symmetrica Woodward

Holotype MF. 173; paratype MF. 167; mentioned MF 168.

Woodward, A. S., 1890. *Ibid.*, p. 17, pl. 4, fig. 5 (MF 173), fig. 6 (MF. 167); mentioned (p. 17) (d) MF. 168.

Lower Triassic: Gosford, N.S.W.

Dipnorhynchus sussmilchi (Etheridge)

See *Ganorhynchus sussmilchi* Etheridge

Elonichthys sweeti Woodward

Plastoparatype F. 35730.

Woodward, A. S., 1906. *Mem. natn. Mus. Vict,*. 1, p. 19, pl. 10, figs 2, 2a–f.

Carboniferous: Mansfield district, Victoria.

Enigmatichthys attenuatus Wade

Mentioned specimen F. 4595.

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., British Museum (Nat. Hist.), p. 84.

Triassic: Woollooomooloo Bay, Sydney, N.S.W.

Ganorhynchus sussmilchi Etheridge

= *Dipnorhynchus sussmilchi* (Etheridge)

Holotype F. 10813.

Etheridge, R., 1906. *Rec. Aust. Mus.*, 6 (3), p. 129, pl. 28, figs 1–5.

Hills, E. S., 1941. *Ibid.*, 21 (1), p. 45, pl. 9, figs 1–2; text figs 1–6.

Hills, E. S., 1933. *Ann. Mag. nat. Hist.*, 11 (Ser. 10), p. 634, pl. 11, figs 1–2; pl. 12, fig. 4; text figs 1–5.

Middle Devonian: Portion 44, Parish Taemas, County Cowley, (Murrumbidgee River), N.S.W.

Genus non det.

Figured specimen MF. 196.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 49, pl. 6, figs 11–12.

Lower Triassic: Gosford, N.S.W.

Gosfordia truncata Woodward

Syntypes MF. 191, F. 50975.

Woodward, A. S., 1890. *Ibid.*, p. 5, pl. 1, fig. 1 (F. 50975), fig. 2 (MF. 191); pl. 2, fig. 2 (F. 13347*).

Lower Triassic: Gosford, N.S.W.

*In Mining Museum, Sydney.

Holoptychius sp.

Figured specimen F. 43415.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 855, pl. 56, fig. 4.

Hills, E. S., 1936. *Proc. R. Soc. Vict.*, 48 (2), p. 168.

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Ichthyodectes marathonensis Etheridge

= *Pachyrhizodus marathonensis* (Etheridge)

Plastoholotype L. 504.

Etheridge, R., 1905. *Rec. Aust. Mus.*, 6 (1), p. 5, pls. 1–2.

Bardak, D., 1962. *Aust. J. Sci.*, 24 (9), p. 387.

Lower Cretaceous: Marathon, Flinders River, Queensland.

Lamna daviesii Etheridge

Plastoholotype F. 179.

Etheridge, R., 1888. *Proc. Linn. Soc. N.S.W.*, 3 (1), p. 159, pl. 4, figs 2–3.

Lower Cretaceous: Richmond Downs, Flinders River, Queensland.

Leptolepis gregarius Woodward

= *Leptolepis talbragarensis* Woodward

Holotype MF 286; paratypes MF 287–90.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 23, pl. 4, fig. 8 (MF. 286), fig. 9 (MF. 290), fig. 10 (MF 289), fig. 11 (MF 287); pl. 5, fig. 5 (MF 286); pl. 6, fig. 11 (MF 289), fig. 12 (F. 94*).

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 83.

Jurassic: Talbragar, N.S.W.

*Specimen (F. 94) in Mining Museum, Sydney.

Leptolepis lowei Woodward

= *Leptolepis talbragarensis* Woodward

Holotype F. 89*; paratype MF 284—counterpart MF 285.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 22, pl. 6, fig. 9 (F. 89*), fig. 10 (MF. 284).

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 83.

Jurassic: Talbragar, N.S.W.

*Holotype (F. 89) in Mining Museum, Sydney.

Leptolepis talbragarensis Woodward

Holotype F. 81*; paratypes MF. 276–8, MF. 279—counterpart MF. 280, MF. 281—counterpart MF. 282, MF. 283.

Woodward, A. S., 1895. *Mem. geol. Surv. N.S.W.*, Pal. 9, p. 21, pl. 6, fig. 1 (MF. 276), fig. 2 (MF. 277), fig. 3 (mislaid), fig. 4 (F. 81*), fig. 5 (MF. 278), fig. 6 (MF. 279), fig. 7 (MF. 281), fig. 8 (MF. 283).

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 75 (2), p. 83, text fig. 8**.

Jurassic: Talbragar, N.S.W.

*Holotype (F. 81) in Mining Museum Sydney.

**Composite drawing.

See also *Leptolepis lowei* Woodward and *Leptolepis gregarius* Woodward.

Macroaethes altus Wade

Mentioned F.15108.

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.), p. 77.

Middle Triassic (Hawkesbury Sandstone): Brookvale, near Manly, N.S.W.

Macroaethes brookvalei Wade

Lectotype No. 130*; hypotype F. 18612; mentioned F. 18589, F. 18614, F. 18635, F. 18647-8, F. 18650.

Wade, R. T., 1932. *Ann. Mag, nat. Hist.*, 9 (Ser. 10), p. 473.

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.), p. 70, text fig. 37c (F. 18612).

Middle Triassic (Hawkesbury Sandstone): Brookvale, near Manly, N.S.W.

* Lectotype (No. 130) in Dept of Geology and Geophysics, University of Sydney.

Maccullochella macquariensis (Cuvier and Valenciennes)

Hypotypes (a) F. 42458-9; (b) F. 36921; mentioned (a) F. 30912, F. 19799, F. 37085, F. 19234-5, (c) F. 18529.

Hills, E. S., 1946. *Rec. Aust. Mus.*, 21 (7), p. 380, pl. 31, fig. 1 (F. 42459), fig. 2 (F. 42458), pl. 32, fig. 1 (F. 36921).

? Pliocene (Diatomaceous Earth Deposit): (a) Bugaldi, (b) Chalk Mountain, near Coonabarabran, (c) Cooma, N.S.W.

Madariscus robustus (Woodward)

See *Archaeomaene robustus* Woodward.

Myriolepis clarkei Egerton

Hypotypes (a) F. 50976, MF. 194, (b) mentioned F. 18588.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 8, pl. 2, fig. 3 (F. 50976), fig. 4 (F. 13345*); pl. 3, fig. 1 (MF. 194).

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.), p. 15 (F. 18588).

Lower Triassic: (a) Gosford; Middle Triassic: (b) Brookvale, near Manly, N.S.W.

* Specimen (F. 13345) in Mining Museum, Sydney.

Myriolepis latus Woodward

= *Myriolepis lata* Woodward.

Holotype F. 50974; mentioned MF. 193.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 10, pl. 3, fig. 2 (F. 50974), fig. 3 (F. 13344*); mentioned (p. 10) (?b) MF. 193.

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.), p. 15.

Lower Triassic: Gosford, N.S.W.

* Specimen (F. 13344) in Mining Museum, Sydney.

Notopetalichthys hillsi Woodward

Holotype F. 45251.

Woodward, A. S., 1941. *Ann. Mag. nat. Hist.*, 8 (Ser. 11), p. 91, text figs a–b and pl. 1, figs a–b.

White, E., 1906. *Bull. Br. Mus. nat. Hist.*, Geol. 1 (9), p. 282, text figs 36–7.

Middle Devonian: Goodravale, N.S.W.

See *Ichthyodectes marathonensis* Etheridge

Pachyrizodus marathonensis (Etheridge)

Peltopleurus (?) *dubius* Woodward

= *Tripelta dubia* (Woodward).

Holotype MF. 189b; paratype MF. 187; hypotype MF. 860; mentioned F. 6464.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 47, pl. 6, fig. 4 (MF. 189b), fig. 5 (MF. 187).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), p. 209, pl. 11, fig. 1 (MF. 860), text fig. 1 (MF. 189b); mentioned (p. 209) F. 6464.

Lower Triassic: Gosford, N.S.W.

Pholidophorus gregarius Woodward

= *Chrotichthys gregarius* (Woodward).

Lectotype MF. 858*; paralectotype MF. 859.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 44, pl. 6, figs 6–9 (mislaid), fig. 10 (MF. 859).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), p. 210, pl. 11, fig. 2 and text fig. 2 (MF. 858).

Lower Triassic: Gosford, N.S.W.

* MF. 858 selected as lectotype by Wade, 1939. It is the counterpart of the holotype figured by Woodward on pl. 6, fig. 6 now mislaid, possibly in Mining Museum, Sydney, with other type specimens figured on pl. 6, figs 7–9.

Phyllolepis sp.

Figured specimens (a) F. 43410, (b) F. 43413.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 852, pl. 56, fig. 2 (F. 43410), fig. 3 (F. 43413).

Upper Devonian: (a) Harvey's Range, near Parkes, N.S.W.; (b) locality unknown.

Pristisomus crassus Woodward

= *Pristisomus gracilis* Woodward

Holotype MF. 867; paratype MF. 179; mentioned MF. 189a.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 36, pl. 5, fig. 5 (MF. 867), fig. 6 (F. 13339*), fig. 7 (MF. 179).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), pp. 212–3, mentioned MF. 189a, MF. 867.

Lower Triassic: Gosford, N.S.W.

* Specimen (F. 13339), on same slab as figured specimen of *P. latus*, in Mining Museum, Sydney.

Pristisomus gracilis Woodward

Holotype MF. 177; paratypes MF. 178, MF. 182; hypotype MF. 864; mentioned MF. 179, MF. 181–2, MF. 186, MF. 189a, MF. 863–7, F. 6463, F. 11033–4, F. 38906–7.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 33, pl. 5, fig. 1 (MF. 177); pl. 6; fig. 1 (MF. 182); pl. 8, fig. 1 (MF. 178).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), p. 213, pl. 11, fig. 3 and text fig. 3 (MF. 864); mentioned specimens as above.

Lower Triassic: Gosford, N.S.W.

See also *Pristisomus crassus* and *P. latus* Woodward.

Pristisomus latus Woodward

= *Pristisomus gracilis* Woodward

Holotype F. 13339*; paratypes MF. 181, MF. 186c; mentioned MF. 866.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 35, pl. 5, fig. 2 (F. 13339*), fig. 3 (MF. 181), fig. 4 (MF. 186c).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), pp. 212–3; mentioned MF. 866 MF. 181, MF. 186.

Lower Triassic: Gosford, N.S.W.

* Holotype (F. 13339) in Mining Museum, Sydney.

Promcosomina formosa (Woodward)

See *Semionotus formosus* Woodward

Remigolepis sp. nov.

Figured specimens F. 43417, F. 43418b, F. 43404, F. 43407, F. 43412.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 853, pl. 57, fig. 2 (F. 43407), fig. 3 (F. 43418b), fig. 4 (F. 43412), fig. 5 (F. 43404); text fig. 2 (F. 43417).

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Saurichthys parvidens Wade

Mentioned F. 18646.

Wade, R. T., 1935. The Triassic Fishes of Brookvale, N.S.W., Brit. Mus. (Nat. Hist.), p. 78.

Middle Triassic (Hawkesbury Sandstone): Brookvale, near Sydney, N.S.W.

Semionotus australis Woodward

= *Zeuchthiscus australis* (Woodward)

Holotype MF. 188; hypotypes MF. 861–2.

Woodward, A. S., 1890. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 31, pl. 6, fig. 2 (MF. 188).

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), p. 215, pl. 11, fig. 4 and text fig. 6 (MF. 861); text fig. 5 (MF. 862).

Lower Triassic: Gosford, N.S.W.

See also *Semionotus tenuis* Woodward.

Semionotus formosus Woodward

= *Promecosomina formosa* (Woodward)

Holotype F. 38905; hypotype F. 17948; mentioned F. 148, F. 397a–b, F. 3196b, e, d, F. 14623, F. 17953–4, F. 29718, F. 29729a–b, F. 29731.

Woodward, A. S., 1908. *Mem. geol. Surv. N.S.W.*, Pal. 10, p. 23, pl. 4, fig. 8 (F. 38905).

Wade, R. T., 1941. *J. Proc. R. Soc. N.S.W.*, 74 (4), p. 382, pl. 17 and text fig. 2 (F. 17948), text figs 1 and 3 (F. 38905); mentioned specimens as above.

Upper Triassic: Brickpits at St Peter's and McDonaldtown, near Sydney, N.S.W.

Semionotus tenuis Woodward

= *Zeuchthiscus australis* (Woodward).

Holotype;* mentioned MF. 183.

Woodward, A. S., 1908. *Mem. geol. Surv. N.S.W.*, Pal. 4, p. 31, pl. 6, fig. 3 (F. 109)*.

Wade, R. T., 1939. *J. Proc. R. Soc. N.S.W.*, 73 (4), p. 215.

Lower Triassic: Gosford, N.S.W.

* Holotype (F. 109) in Mining Museum, Sydney.

Striacanthus sp.

Mentioned F. 43418a.

Hills, E. S., 1932. *Quart. J. geol. Soc. Lond.*, 88 (4, Second Half), p. 852.

Hills, E. S., 1936. *Proc. R. Soc. Vict.*, 48 (2), p. 168.

Upper Devonian: Harvey's Range, near Parkes, N.S.W.

Taemasosteus novaustrocambricus White

Plastoholotype F. 45254.*

White, E., 1952. *Bull. Br. Mus. nat. Hist., Geol.*, 1 (9), p. 276, pl. 31, fig. 3, text figs 28–30.

Middle Devonian: Parish of Taemas, Murrumbidgee River, N.S.W.

* Holotype (No. P. 27070) in British Museum (Natural History).

Tripelta dubia (Woodward)

See *Peltopleurus* (?) *dubius* Woodward.

Uarbryichthys incertus Wade

Holotype F. 43606.

Wade, R. T., 1953. *J. Proc. R. Soc. N.S.W.*, 87 (2), p. 71, pl. 19, figs a–b.

Jurassic: Talbragar, N.S.W.

Uarbryichthys latus Wade

Holotype F. 43258.

Wade, R. T., 1941. *Ibid.*, 75 (2), p. 82.

Wade, R. T., 1953. *Ibid.*, 87 (2), p. 63, pl. 8, figs a–b.; text figs 1–2.

Jurassic: Uarbry Road (McMaster's Property), Talbragar, N.S.W.

Urosthenes latus Woodward

Holotype F. 43402.

Woodward, A. S., 1931. *Ann. Mag. nat. Hist.*, 8 (Ser. 10), p. 365, pl. 14.

Permian (Illawarra Coal Measures): Lithgow, N.S.W.

Williamsaspis bedfordi White

Plastoholotype F. 45252.*

White, E., 1952. *Bull. Br. Mus. nat. Hist., Geol.*, 1 (9), p. 254, pls 26–29; text figs 1–19, 38, 39E.

Middle Devonian: Barber's, Goodradigbee River, N.S.W.

*Holotype (No. P. 27073) in British Museum (Natural History).

Zeuchthiscus australis (Woodward)

See *Semionotus australis* Woodward

See *Semionotus tenuis* Woodward

Amphibia

Bothriceps australis Huxley

Plastoholotype F. 4316.*

Huxley, T. H., 1859. *Quart. J. geol. Soc. Lond.*, 15, p. 647, pl. 22, fig. 1.

Broom, R., 1915. *Proc. zool. Soc. London* (3), p. 364, text fig. 2.

Triassic: "Australia", possibly from the Hawkesbury Sandstone of the Sydney district, N.S.W.

* Original specimen in the British Museum (Natural History).

Bothriceps major Woodward

Holotype F. 50977 (head), F. 12697* (vertebral column)—parts of single specimen.

Woodward, A. S., 1909. *Rec, geol. Surv. N.S.W.*, 8 (4), p. 317, pl. 51.

Permian (Lithgow Coal Measures): Airly (Glen Davis), N.S.W.

* Specimen in Mining Museum, Sydney.

Mastodonsaurus ? robustus Quenstedt

Figured specimen F. 50990.

Stephens, W. J., 1886–7. *Proc. Linn. Soc. N.S.W.*, 1 (3), p. 931, (4) p. 1113, pl. 14, fig. 2.

Triassic (Hawkesbury Sandstone): Cockatoo Island, Port Jackson, Sydney, N.S.W.

Paracyclotosaurus davidi Watson

Holotype (parts), F. 51550* (cast of skull and upper jaw), F. 51556* (cast of lower jaw).

Watson, D. M. S., 1958. *Bull. Br. Mus. nat. Hist. Geol.* 3 (7), p, 235; text figs. 1–5 (F. 51550), text fig. 6 (F. 51556).

Triassic (Wianamatta Group): St Peter's, Sydney, N.S.W.

* Original specimens in British Museum (Natural History).

Subcyclotosaurus brookvalensis Watson

Holotype F. 47499 (skull).

Watson, D. M. S., 1958. *Ibid,* p. 258, text fig. 15.

Triassic (Hawkesbury Sandstone): Beacon Hill quarry, Brookvale, near Sydney, N.S.W.

Reptilia

Chelonia

Meiolania sp.

Figured specimens.

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.,* 1 (3), p. 149, pl. 25, fig. 1 and pl. 26, fig. 1 (F. 16867—tail sheath), pl. 25, fig. 2 (L. 1378—portion of annular ring of tail sheath), fig. 3 and pl. 26, fig. 2 (L. 1377* —caudal vertebra), pl. 26, fig. 3 (L. 1381* —caudal vertebra), fig. 4 (L. 542*—cranial horn core).

? Pliocene: Canadian Deep Lead, Gulgong, N.S.W.

* Original specimens in Mining Museum, Sydney.

Meiolania sp.

Mentioned specimen F. 1346a—two horn cores.

Etheridge, R., 1893. *Rec. Aust. Mus.,* 2 (4), pp. 39–41.

Post Tertiary: Oaky Creek, branch of Weetalibah Creek, about 22 miles northwest of Coolah, N.S.W.

Meiolania argentina Smith Woodward

Syntypes.

Smith Woodward, A., 1901. *Proc. zool. Soc. Lond.,* 1 (2), p. 170, pls 15–17 (original of L. 1418*—skull); pl. 18, fig. 2 (original of L. 1418b*—part of caudal sheath).

Eocene: Chubut, Patagonia, South America.

* Original specimens in British Museum (Natural History).

Meiolania mackayi Anderson

Holotype F. 17720 and paratypes.

Anderson, C., 1925. *Rec. Aust. Mus.,* 14 (4), p. 239, pl. 32, figs. 5–6 (F. 17720—left cranial horn-core); pl. 38, fig. 6 (F. 17719—left humerus), figs. 7–8 (F. 17657 —right humerus); pl. 40, fig. 3 (F. 17665 —right femur); fig. 4 (F. 17760—right tibia).

Pleistocene: Walpole Island, about 100 miles southeast of Caledonia.

Meiolania oweni Smith Woodward

Plastotypes F. 4479 = B. 4357, F. 4477 = B. 4356.

Owen, R., 1880. *Phil. Trans. R. Soc.,* 171 (3), p. 1041, pl. 37, fig. 1 and pl. 38, figs 1–3 (original imperfect cranium from which F. 4477 was modelled).*

Owen, R., 1881. *Ibid.,* 172 (2), p. 547, pl. 64 and pl. 65, figs 1–4 (caudal sheath, original of F. 4479).*

Smith Woodward, A., 1888. *Ann. Mag. nat.* Hist., 1 (2), p. 89.

Lydekker, R., 1889. *Brit. Mus. Cat. Foss. Rept.,* 3, p. 166, fig. 39a (original of F. 4479), fig. 39b (original of F. 4477).

Pleistocene: Drift bed of King's Creek, Condamine River, Queensland.

* Figured and named as *Megalania prisca.*

Original specimens of F. 4477 and F. 4479 in British Museum (Natural History).

Meiolania platyceps Owen

Plaster replicas of figured specimens.

Owen, R., 1888 (1889). *Phil. Trans. R. Soc.,* 179B (1), p. 181, pls 31–32 (F. 1522 —skull); pls 33–34 (F. 4541—skull); pl. 35, figs 1–3 (B. 10239—dorsal vertebra), fig. 4 (F. 16845—centrum of foremost caudal vertebra), figs 5–6 (B. 10238—anterior caudal vertebra); pl. 36, figs 1–4 (B. 10236—tibia), figs 5–6 (B. 10241—radius), figs 7–9 (B. 10232—sternal arch), fig. 10 (B. 10228—dermal ossicle of trunk); pl. 37, figs 1–3 (B. 10224—dermal tail sheath).

Pleistocene: Lord Howe Island.

Original specimens in British Museum (Natural History).

Meiolania platyceps Owen

Hypotypes.

Anderson, C., 1925. *Rec. Aust. Mus.,* 14 (4), p. 225, pl. 30, figs 1–2 (F. 1208—plastron); pl. 31, figs 1–2 (F. 398—front portion of skull); pl. 32, fig. 1 (F. 5473 and F. 1197—left side of skull roof), figs 3–4 (F. 16866—left cranial horn core); pl. 33, fig. 1 (F. 18363—part of occipital region), figs 2–4, pl. 34, figs 1–2 (F. 1209—parts of skull); pl. 33, figs 5–6 (F. 208a–b—brain cavity); pl. 35, figs 1–2 (F. 208b—fenestra postocia and auditory chamber); pl. 36, figs 1–4, 6 (L. 1568—model of skull), fig. 5 (L. 1566—sagittal section of model skull); pl. 37, fig. 1 (F. 18315—cervical vertebrae), fig. 2 (F. 18494–5—two late cervicals), fig. 3 (F. 18495—late cervical), figs 4–5 (F. 9067—sacral vertebrae); pl. 38, fig. 1 (F. 18496 —left shoulder girdle), figs 2–3 (F. 1204—left humerus), figs 4–5 (F. 405—right humerus); pl. 39, figs 1–3 (F. 18497—pelvis); pl. 40, fig. 1 (F. 1203 and F. 16858—right femur), fig. 5 (F. 1049—egg mould).

Anderson, C., 1930. *Ibid.*, 17 (7), p. 309, pl. 47, figs 1–3 (F. 18827—ulna), figs 4–6 (F. 18833—left fibula); pl. 48 (F. 18750—right humerus), F. 18827—radius and ulna); pl. 49, fig. 1 (F. 18756—left femur, F. 18833—toe-bones, tibia and fibula, F. 18834—astragalo-calcaneum), fig. 2 (F. 18834—dorsal view).

Pleistocene: Lord Howe Island.

Notochelone costata Owen

Plastoholotype F. 3232*—anterior part of carapace and plastron*.

Owen, R., 1882. *Quart. J. geol. Soc. Lond.*, 38, p. 178.

Lower Cretaceous: Flinders River, Queensland.

* Original specimen in Macleay Museum, University of Sydney.

Lacertilia

Lacertilian

Figured specimens F. 16829–30—dermal scutes.

Etheridge, R., 1917. *Proc. R. Soc. Vict.* (New Ser.), 29 (2), p. 130, pl. 8, figs 6–7 (F. 16829), fig. 8 (F. 16830).

Lower Cretaceous: Lightning Ridge, N.S.W.

Megalania prisca Owen

Hypotypes B. 4359—cast of dorsal vertebra, B. 4360—cast of occipital vertebra.

Owen, R., 1880. *Phil. Trans. R. Soc.*, 171 (3), p. 1037, pl. 34, figs 1–2 (original of B. 4359); pl. 36, figs 1–2 (original of B. 4360).

Post Tertiary: Darling Downs, Queensland.

Megalania (*Varanus*) *prisca* Owen

Hypotypes F. 2212—right dentary with six foramina, F. 16494—dorsal vertebra.

Etheridge, R., 1917. *Proc. R. Soc. Victa.* (New Ser.), 29 (2), p. 127, pl. 8, figs 1–2 (F. 2212), figs 3–4 (F. 16494).

Post-Tertiary: Wellington Caves, N.S.W.

See *Varanus* (*Megalania*) *priscus* Owen.

Notiosaurus dentatus Owen

= *Megalania prisca* Owen

Plastohypotype L. 510—portion of jaw and teeth.

Owen, R., 1884. *Phil. Trans. R. Soc.*, 175 (1), p. 249, pl. 12, figs 1–6.

Etheridge, R., 1917. *Proc. R. Soc. Vict.* (New Ser.), 29 (2), p. 127.

Pleistocene: Cuddie Springs, near Walgett, N.S.W.

Varanus (*Megalania*) *priscus* (Owen)

Hypotypes (a) F. 25227–28—teeth, (b) F. 2206 (left femur), F. 2207—right ulna).

Etheridge, R., 1930. *Rec. Aust. Mus.*, 17 (7), p. 311, pl. 50, fig. 1 (F. 25228), fig. 2 (F. 25227); pl. 51, figs 1–2 (F. 2206), fig. 3 (F. 2207).

Pleistocene: (a) Rosella Plains; (b) Darling Downs, Queensland.

See *Megalania* (*Veranus*) *prisca* Owen.

Crocodilia

Crocodilus (? *Botosaurus*) *selaslophensis* Etheridge

Holotype F. 15818—portion of ramus with six teeth.

Etheridge, R., 1917. *Proc. R. Soc. Vict.*, 29 (New Ser.) (2), p. 132, pl. 8, figs 10–11.

Lower Cretaceous: Lightning Ridge, N.S.W.

Pallimnarchus pollens De Vis

Hypotype F. 36947—anterior part of mandible.

Anderson, C., 1937. *Rec. Aust. Mus.*, 20 (2), p. 77, pl. 10.

? Pleistocene: ? Gregory River district, Queensland.

Plesiosauria

Cimoliosaurus sp.

Figured specimen L. 508 (cast of tooth).

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (5), p. 313, pl. 45, fig. 2.

Persson, P. O., 1960. *Lunds. Univ. Arssk. N.F. Avd.*, 2, 56 (12), p. 6.

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

Recorded by Persson as "A Pliosauroidean tooth indeterminable as to family, genus and species".

Cimoliosaurus australis Owen

Mentioned specimen F. 19807—four vertebrae.

Dun, W. S., 1914. *Proc. Linn. Soc. of N.S.W.*, 39 (2), p. 396.

Lower Cretaceous: Fifty miles west of Richmond, Queensland.

Cimoliosaurus leucoscopelus Etheridge

= *Dolichorhynchops?* sp.

Holotype material—remains of same animal converted into precious opal.

Etheridge, R., 1897. *Rec. Aust. Mus.*, 3 (2), p. 19, pl. 5, figs 1–5 (F. 6268—cervical vertebra), fig. 6 (F. 6290—phalange); fig. 7 (F. 6289—phalange); pl. 6, fig. 1 (F. 6269—cervical vertebra), figs 2–3 (F. 6270—cervical vertebra), fig. 4 (F. 6288—portion of rib), fig. 5 (F. 6287—distal end of a diopophysis of a dorsal vertebra?), figs 6–7 (F. 6284—paddle bone); pl. 7, fig. 1

F. 6274—humerus), fig. 2 (F. 6279—distal end of cervical rib), fig. 3 (F. 6277—distal end of diopophysis or dorsal vertebra), fig. 4 (F. 6280—distal end of trunk rib), figs 5–6 (F. 6281—proximal end of trunk rib), fig. 7 (F. 6291—phalange), fig. 8 (F. 6292—phalange), fig. 9 (F. 6293—phalange), figs 10–11 (F. 6273—teeth).

Persson, P. O., 1960. *Lunds. Univ. Arssk. N.F. Avd.* 2. 56 (12), p. 4.

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

Cimoliosaurus maccoyi Etheridge

Holotype material—remains of incomplete animal converted into opal.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (5), p. 306, pl. 42, figs 1–3 (F. 9652—posterior cervical centrum), figs 4–7 (F. 9658—pectoral (?) centrum), figs 8–10 (F. 9660—median cervical centrum); pl. 43, figs 1–2 (F. 9676—cervical neural spine), fig. 3 (F. 9675—dorsal (?) neural spine with broken zygopophyses), fig. 4 (F. 9673—phalange), fig. 5 (F. 9665—humerus), fig. 6 (F. 9667—femur); pl. 44, fig. 1 (F. 9677—femur), figs 2–3 (F. 9666—humerus), fig. 4 (F. 9633—dorsal centrum), fig. 5 (F. 9636)median cervical centrum), figs 6–7 (F. 9668—cervical pleurapophysis), fig. 8 (F. 9679—portion of rib of a larger reptile than *C. maccoyi*).

Persson, P. O., 1960. *Lunds Univ. Arssk. N.F.* Avd. 2, 56 (12), p. 8, pl. 1, fig. 1 (F. 9651—?20th pre-pectoral centrum), fig. 2 (F. 9928—?11th pre-pectoral centrum).

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

Cimoliosaurus sutherlandi McCoy

= Cimoliosauridae—genus et species indet.

Hypotype F. 335*—cast of cervical vertebra.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (5), p. 311, pl. 45, fig. 1.

Persson, P. O., 1960. *Lunds. Univ. Arssk. N.F.* Avd. 2, 56 (12), p. 10.

Lower Cretaceous: Upper Flinders River, north central Queensland.

* Original specimen in National Museum, Melbourne.

Dolichorhynchops? sp.

See *Cimoliosaurus leucoscopelus* Etheridge.

Ichthyosauria

Ichthyosaurus sp.

Figured specimens.

Etheridge, R., 1904. *Rec. Aust. Mus.*, 5 (5), p. 313, pl. 45, fig. 3 (F. 9924—trunk vertebra), figs 4–7 (L. 545*—caudal vertebra).

Lower Cretaceous: White Cliffs, near Wilcannia, N.S.W.

* Original specimen in Mining Museum, Sydney.

Ichthyosaurus australis McCoy

Plastohypotype L. 1031* (portion of 9 vertebra).

McCoy, F., 1867. *Trans. R. Soc. Vict.*, 8 (1), p. 42—not figured.

Lower Cretaceous (Rolling Downs Group): Base of Walker's Table Mountain, Flinders River, Queensland.

* Original specimen in National Museum, Melbourne, Victoria.

Ichthyosaurus australis McCoy

Plastohypotype F. 4492 (cast of trunk vertebra).

Etheridge, R., 1897. *Rec. Aust. Mus.*, 3 (3), p. 66—not figured.

Lower Cretaceous (Rolling Downs Group): Marathon Station, Flinders River, north central Queensland.

Ichthyosaurus marathonensis Etheridge

Plastohypotype L. 549* (cast of snout and teeth).

Etheridge, R., 1888. *Proc. Linn. Soc. N.S.W.*, 3 (2), p. 405, pl. 7, figs 1–3.

Lower Cretaceous (Rolling Downs Group): Marathon Station, Flinders River, north central Queensland.

* Original specimen in Queensland Museum, Brisbane.

Aves

Casuarius lydekkeri Rothchild

Hypotype F. 50094—distal end of tibio-tarsus.

Miller, H. Alden, 1962. *Rec. Aust. Mus.*, 25 (10), p. 235, text fig. 1.

Pleistocene: Cavern deposits at Wellington Caves, N.S.W.

Dinornis queenslandiae De Vis

Plastoholotype L. 533—femur.

De Vis, C. W., 1884. *Proc. R. Soc. Qd*, 1 (1), p. 23, pls 3–4.

Pleistocene: King's Creek, Darling Downs, Queensland.

Dromaius sp.

Figured specimen F. 25218—sternum.

Anderson, C., 1937. *Rec. Aust. Mus.*, 20 (2), p. 76, pl. 9, figs 1–2.

Pleistocene: Wellington Caves, N.S.W.

Dromaius patricius De Vis

Plastohypotype L. 516—distal end of right tibia.

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.*, 1 (2), p. 132, pl. 11, fig. 4; pl. 12, fig. 3; pl. 13, fig. 3.

Post-Tertiary: Thorbindah, near Cainwarra Station, Paroo River, Queensland.

Dromornis australis Owen

Hypotype (a) F. 10950—right femur; plastohypotypes (b) L. 528*—end of left fibula, (c) L. 529*—end of right tibia.

Owen, R., 1869. *Geol. Mag.*, 6, p. 383 (F. 10950—referred to as *Dinornis*).

Owen, R., 1873. *Trans. zool. Soc. Lond.*, 8, p. 381, pl. 62, figs 1–2, pl. 63, figs 1–2 (F. 10950).

Etheridge, R., 1889. *Rec. geol. Surv. N.S.W.*, 1 (2), p. 129, pl. 11, fig. 1, pl. 12, fig. 1, pl. 13, fig. 1 (original of L. 529), pl. 11, fig. 2, pl. 12, fig. 2 (original of L. 528).

Post-Tertiary: (a) Well 30 feet on Peak Downs, (b) King's Creek, Darling Downs, (c) Thorbindah, near Cainwarra Station, Paroo River, Queensland.

* Original specimens in Mining Museum, Sydney.

Mammalia †

Monotremata

Echidna gigantea Roger

Holotype F. 11017*—humeral fragment.

Roger, O., 1887. *Ber. naturw. Ver. Schwaben*, 29, p. 4.

Late Cainozoic: Darling Downs, Queensland.

* See also *Echidna owenii* Krefft.

Echidna owenii Krefft

Holotype F. 11017*—humeral fragment.

Krefft, G., 1868. *Ann. Mag. nat. Hist.*, 1 (ser. 4), (2), p. 113, text figs 1–3.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote ‡), pl. 11 figs 15–6. Unnamed.

Late Cainozoic: Darling Downs, Queensland.

* See also *Echidna gigantea* Roger.

Echidna ramsayi Owen

Holotype F. 10948—imperfect humerus.

Owen, R., 1884. *Proc. R. Soc.*, 36, p. 4.
Owen, R., 1884. *Phil. Trans. R. Soc.*, 175 (1), p. 273, pl. 14, figs 1–3.

Quaternary: Wellington Caves, N.S.W.

Echidna (*Proechidna*) *robusta* Dun

Holotype (or syntypes) F. 51451—imperfect cranium, F. 51452—imperfect atlas.

Dun, W. S., 1895. *Rec. geol. Surv. N.S.W.*, 4 (3), p. 121, pl. 11, figs 5–6 (F. 51452); pl. 12 (F. 51451).

Late Cainozoic: Canadian Deep Lead, near Gulgong, N.S.W.

Ornithorhynchus maximus Dun

Holotype F. 51453—humerus.
Dun, W. S., 1895. *Ibid.*, 4 (3), p. 123, pl. 11, figs 1–4.

Late Cainozoic: Canadian Deep Lead, near Gulgong, N.S.W.

Tachyglossidae

Figured specimen F. 10888—imperfect femur.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote ‡), pl. 11, figs 6–7. Unnamed.

Quaternary: Wellington Caves, N.S.W.

Zaglossus hacketti Glauert

Plastoholotype (or plastosyntypes) L. 1089*—tibia, L. 1090*—femur.

Glauert, L., 1914. *Rec. West. Aust. Mus.*, 1 (3), p. 244, pl. 36, fig. 1 (original of L. 1090); pl. 37 (original of L. 1089).

Quaternary: Mammoth Cave, near Margaret River, Western Australia.

* Holotype (or syntypes) No. 60. 10. 1 in Western Australian Museum.

Marsupialia

Burramys parvus Broom

Syntypes F. 45777—max. fragment, F. 45778—mand. fragment; hypotype F. 3984—mand. fragment.

Broom, R., 1895. *Abstr. Proc. Linn. Soc. N.S.W.* for June 26th, 1895, p. ii (F. 45777, 8).

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.*, 10 (2nd ser.), (4), p. 563, pl. 25, fig. 1 in part (P_4 M_{1-3}) (F. 45778), fig. 2 (F. 45777); pl. 45, fig. 1 (F. 3984).

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Dasyurus

Mentioned specimen F. 15632—imperfect mand. ramus.

Anderson. W., 1914. *Rec. Aust. Mus.*, 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

† See paragraph five of Introduction.

‡ Krefft, G., 1882. *Australian Fossil Remains* in *New South Wales Parliamentary Paper*: Exploration of the caves and rivers of New South Wales (Minutes, reports, correspondence, accounts.), pp. 1–52, 37 plates. Republished (1882) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1882, with the various documents connected therewith, in five volumes: Vol. 5, pp. 551–602 (also numbered 1–52), 37 plates. The 18 plates entitled Australian Fossil Remains are, with the exception of pl. 13, unaccompanied by names for the specimens figured in them. Mr J. A. Mahoney, University of Sydney, has provided the names used here for the figured specimens which lack published identities.

Dasyurus bowlingi Spencer and Kershaw

Mentioned specimen F. 15630—almost perfect cranium.

Anderson, W., 1914. *Ibid.*, 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Dasyurus ? maculatus (Kerr)

Mentioned specimen F. 15631—almost perfect mand. ramus.

Anderson, W., 1914. *Ibid.*, 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Diarcodon parvus Stephenson

Holotype (a) F. 50099—premax. fragment; plastoparatypes (b) F. 5056 and duplicate L. 1292—upper incisor.

Stephenson, N. G., 1963. *Palaeontology*, 6 (4), p. 622, pl. 90, figs 1, 4a–b (F. 50099), figs 3a–b (F. 5056); L. 1292.

Localities: (a) Wellington Caves, N.S.W., (b) ?.

Diprotodon

Figured and mentioned specimens (a) F. 4913—max. fragment, (b) F. 50095–8—four imperfect upper incisors, (c) F. 33308—imperfect upper incisor, F. 4630 = A. 3294*, F. 4658 = A. 3295*, F. 33313—three mand. fragments, (d) ? F. 9923**—imperfect upper incisor.

Krefft, G., 1873. *The Sydney Mail and New South Wales Advertiser*, no. 688, vol. 16 (new ser.), Sept. 6th, p. 302, col. 2 (? F. 9923—"peculiar kind of *Diprotodon*").

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 10, fig. 4 (F. 4913). Unnamed.

Anderson, C., and Fletcher, H. O., 1934. *Aust. Mus. Mag.*, 5 (5), p. 152, text fig., 3 (F. 33308), text fig., 4 (F. 33313).

Stephenson, N. G., 1964. *Proc. zool. Soc. Lond.*, 142 (3), p. 543, pl. 3, fig. B in part (F. 50096), fig. B in part (F. 50095); pl. 4, fig. B in part (F. 50097), fig. B in part (F. 50098).

Ride, W. D. L., 1967. *Rec. S. Aust. Mus.*, 15 (3), p. 422 (A. 3294, written as A. 3292; A. 3295).

Localities: (a) Wellington, (b) Bingara, (c) Cuddie Springs ("Gelgoine Station"), near Brewarrina, N.S.W., (d) ?.

* See also *Diprotodon australis* Owen.

** See also *Phascolonus gigas* (Owen), *Sceparnodon ramsayi* Owen and *Sceparnodon stephensii* Ramsay.

Diprotodon australis Owen

Plastohypotypes (a) L. 1299[1]—scaphoid, L. 1300[2]—pisiform, (b) F. 4621[3]—imperfect cranium, F.4687[4]—imperfect dorsal vertebra, (c) F.4604[5]—four cervical vertebrae, F.4605—three imperfect lumba centra F.4608 [6]—femur, F. 4619—scapula, F.4625[7]—imperfect mandible, (d) F.4867[8]—condyle, (e) L. 1271[9]—max. fragment, (f) L. 493—manus, L. 494—pes, F. 14970*—mounted complete skeleton; mentioned specimens (g) F. 4630 = A. 3294[10], F. 4658 = A. 3295[11]—two mand. fragments.

Owen, R., 1870. *Phil. Trans. R. Soc.*, 160 (3), p. 521, pl. 35, figs 1–3 in part, 4 (No. 32851); p. 525, pl. 38, figs 1–2 (No. 32848); p. 526, pl. 35, figs 1–3 in part (No. 32851); p. 526, pl. 42, figs 3–4 (No. 46880); p. 540, pl. 43, fig. 1, pl. 44, figs 1–4, text fig. 5 (Nos 32870, 32852–4); p. 542, pl. 44, figs 5–6 (No. 32857); p. 545 (original of F. 4605); p. 549, text fig. 6 (sketch of original of F. 4619); p. 560, pl. 48, figs 1–2, 4–5, pl. 49, fig. 1 (No. 32864).

Owen, R., 1877. *Researches on the fossil remains of the extinct mammals of Australia; with a notice of the extinct marsupials of England*, 1, p. 507, 2, pl. 122, figs 1–3 (No. 46841o); 1, p. 508, 2, pl. 123 (No. 46841f).

Owen, R., 1884. *Phil. Trans. R. Soc.*, 175 (1), p. 245 (A. 3294, written as A. 3292; A. 3295). Unnamed.

Lydekker, R., 1887. *Catalogue of the fossil Mammalia in the British Museum (Natural History)*, 5, p. 177 (M. 1528–9).

Stirling, E. C., and Zietz, A. H. C., 1899. *Mem. R. Soc. S. Aust.*, 1 (1), p. 1, pl. 1 (original of L. 493); pl. 10 (original of L. 494).

Stirling, E. C., 1907. *Nature, Lond.*, 76 (1978), p. 543, text fig. 1 (replica of F. 14970).

Anderson, C., 1924. *Aust. Mus. Mag.*, 2 (4), p. 113, text fig. (F. 14970).

Late Cainozoic: (a) King Creek, Clifton Station, Darling Downs, (b) King Creek, Darling Downs, Queensland, (c) Darling Downs, (d) Queensland, (e) Condamine River, Darling Downs, Queensland, (f) Lake Callabonna, South Australia, (g) Cuddie Springs, near Brewarrina ("Gelgoine Station"), N.S.W.

[1]Hypotypes Nos 46841o, [2]46841f, [3]32851, [4]32857, [5]32852–4, 32870, [6]32864, [7]32851, [8]46880, [9]32848, [10]casts M. 1528, [11]M. 1529 in British Museum (Natural History); see also *Diprotodon* for [10] and [11].

* Hypotype skeleton, restored in part and largely Lake Callabonna in origin, in South Australian Museum.

Diprotodon bennettii Krefft

Plastoholotype F. 4622*—imperfect mandible.

Krefft, G., 1873. *The Sydney Mail and New South Wales Advertiser*, no. 697, vol. 16 (new ser.), Nov. 8th, p. 594, col. 4, p. 595, col. 1 and supplement "Australian Fossil Remains", pl. 1, figs 1–2, 4 (No. 47855).

Quaternary: Gowrie, Darling Downs, Queensland.

* Holotype No. 47855 in British Museum (Natural History).

Diprotodon loderi Krefft

Holotype F. 4623—ant. portion of cranium.

Krefft, G., 1873. *Ibid.*, no. 686, vol. 16 (new ser.), Aug. 23rd, p. 238, col. 2.

Quaternary: Australian Agricultural Co's run Warrah, near Murrurundi, N.S.W.

Diprotodontidae

Figured specimens (a) F. 16488, (b) F. 4881, F. 16484—three imperfect upper incisors, F. 5004—molar fragment, F. 5034—upper molar, F. 5041—premolar.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on page 151), pl. 6, fig. 6 (F. 16488); pl. 8, fig. 6 (F. 5041), figs 8–9 (F. 5004); pl. 9, fig. 6 (F. 5034); pl. 12, fig. 2 (F. 4881), fig. 7 (F. 16484). Unnamed.

Localities: (a) ? Wellington Caves, N.S.W., (b) ?.

"Dog or cat like creature"

Mentioned specimen F. 7233—ungual phalanx.

Krefft, G., 1870. *New South Wales Parliamentary Paper*: Wellington Caves (Correspondence relative to exploration of.), p. 7. See footnote †.

Etheridge, R., 1918. *Ann. Mag. nat. Hist.*, 2 (ser. 9), (10), p. 312.

Quaternary: Wellington Caves, N.S.W.

cf. *Dorcopsis*, large form

Figured specimen F. 49468—max. fragment.

Plane, M. D., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 86, p. 50, text figs 11e–f.

Pliocene: Gold and Power Company's Wiganda (= Wiaganda) Creek workings, Upper Watut Valley, New Guinea.

Euryzygoma dunense (De Vis)

Plastoholotype (a) F. 4666*—imperfect mand. ramus; mentioned specimen (b) F. 4667** —cast of mand. fragment.

Longman, H. A., 1921. *Mem. Qd Mus.*, 7 (2), p. 65 (No. 5489).

Woods, J. T., 1968. *Ibid.*, 15 (2), p. 115 (No. 43523).

Late Cainozoic: (a) Darling Downs, Queensland, (b) Queensland.

* Holotype F. 376 (= No. 5489) in the Queensland Museum; see also *Nototherium dunense* De Vis.

** Original No. 43523 in British Museum (Natural History); see also *Nototherium mitchelli* Owen.

† Parliamentary Paper republished (1871) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1870–71, with the various documents connected therewith, in four volumes: Vol. 4, pp. 1173–84 (also numbered 1–12); also, it is included in the 1882 Parliamentary Paper cited in footnote on p. 151.

Halmaturus (?) *scottii* Krefft

Holotype F. 19652*—imperfect mand. ramus.

Krefft, G., 1870. *New South Wales Parliamentary Paper*: Wellington Caves (Correspondence relative to exploration of.), p. 9. See footnote †.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on page 151), pl. 10, fig. 1. Unnamed.

Quaternary: Wellington Caves, N.S.W.

* See also *Procoptodon goliah* (Owen).

Halmaturus (?) *thomsonii* Krefft

Holotype F. 30330—mand. fragment.

Krefft, G., 1870. *New South Wales Parliamentary Paper*: Wellington Caves (Correspondence relative to exploration of.), p. 9. See footnote †.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 8, fig. 1; fig. 2 further illustrates the now missing incisor tooth of the holotype. Unnamed.

Quaternary: Wellington Caves, N.S.W.

Kolopsis rotundus Plane

Paratypes (a) F. 44470–1—two mand. fragments, (b) F. 38574—max. fragment.

Plane, M. D., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 85, p. 111, text figs 3–4 (F. 44470–1, written in error on p. 111 as F. 41443–4); F. 38574.

Pliocene: (a) One and a half miles from Bulolo Aerodrome, (b) Watut River, New Guinea.

Kolopsoides cultridens Plane

Paratypes F. 37669–70—two molar teeth.

Plane, M. D., 1967. *Ibid.*, p. 119.

Pliocene: Iroa Creek, New Guinea.

Leptosiagon gracilis Owen

Plastoholotype F. 49884*—imperfect mand. ramus.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (2), p. 785, pl. 76, figs 11–5 (No. 40005).

Late Cainozoic: Queensland.

* Holotype No. 40005 in British Museum (Natural History).

See also *Macropus* (*Macropus*) *ferragus* Owen.

Macropodidae

Figured specimens (a) F. 30384—max. fragment, (b) F. 16571*—lower molar, F. 30740, F. 53495—two premax. fragments.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 7, fig. 1 (F. 30740), fig. 3 (F. 30384); pl. 8, figs 10–11 and pl. 10, fig. 10 (F. 16571); pl. 10, fig. 9 (F. 53495). Unnamed.

Localities: (a) Wellington Caves, N.S.W., (b) ?.

* The lower molar has been removed from the mandibular fragment (pl. 8, fig. 10) and has alone been found; a cast, No. 40404, of the mandibular fragment with the molar is in the British Museum (Natural History).

Macropus

Figured and mentioned specimens (a) F. 16490*—imperfect post. part of cranium, (b) F.15618—lower incisor, F. 15635—two imperfect ribs, F. 15636—imperfect cranium.

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper*: (see footnote†), p. 45, pl. 14, centre and bottom photographs (F. 16490).

Anderson, W., 1914, *Rec. Aust. Mus.*, 10 (9), p. 275 (F. 15618, F. 15635–6).

Quaternary: (a) Wellington Caves, N.S.W., (b) King Island, Bass Strait.

* See also *Protemnodon*.

Macropus anak (Owen)

Plastohypotype F. 2644*—max. fragment.

Lydekker, R., 1887. *Catalogue of the fossil Mammalia in the British Museum (Natural History)*, 5, p. 215, text fig. 36 (M. 48, written in error as M. 43).

Late Cainozoic: Queensland.

* Hypotype M. 48 in British Museum (Natural History).

See also *Protemnodon*.

Macropus atlas Owen

Plastoholotype L. 1673*—mand. fragment.

Owen, R., 1838. In Mitchell, T. L., *Three expeditions into the interior of eastern Australia, with descriptions of the recently explored region of Australia Felix, and of the present colony of New South Wales*, 1, p. xix, 2, p. 359, pl. 29, fig. 1 (M. 10778).

Quaternary: Wellington Valley or Buree (Boree), N.S.W.

* Holotype M. 10778 in British Museum (Natural History).

See also *Sthenurus atlas* (Owen).

Macropus ferragus Owen

Plastoholotype F. 49885*—mand. fragment.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (2), p. 784, pl. 81, fig. 4, pl. 82, figs 3–4, pl. 83, fig. 3 (No. 32903).

Late Cainozoic: Condamine River, Queensland.

* Holotype No. 32903 in British Museum (Natural History).

See also *Macropus (Macropus) ferragus* Owen and *Pachysiagon ferragus* (Owen).

Macropus goliah Owen

Plastoholotype L. 1668*—max. fragment.

Owen, R., 1845. In Waterhouse, G. R., *A natural history of the Mammalia*, 1, p. 59 (M. 1896).

Late Cainozoic: Darling Downs, Queensland.

* Holotype M. 1896 in British Museum (Natural History).

See also *Procoptodon goliah* (Owen).

Macropus minor (Owen)

Mentioned specimen F. 49403*—cast of fragmentary mand. ramus.

Lydekker, R., 1887. *Catalogue of the fossil Mammalia in the British Museum (Natural History)*, 5, p. 219 (No. 50063a—"probably" *M. minor* (Owen)).

Quaternary: Gowrie, Darling Downs, Queensland.

* Original No. 50063a in British Museum (Natural History).

See also *Troposodon minor* (Owen).

Macropus ruficollis (Desmarest)

Mentioned specimens F. 15615, F. 15616—two imperfect crania, F. 15617—imperfect mand. ramus.

Anderson, W., 1914. *Rec. Aust. Mus.*, 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Macropus titan Owen

Plastoholotype (a) F. 49888*—mand. fragment; plastoparatype F. 49401**—imperfect palate; hypotypes (b) F. 7273, F. 18665***—two imperfect crania, F. 20886–7—two max. fragments, (c) F. 19646—max. fragment.

† Ramsay, E. P., 1882. *New South Wales Parliamentary Paper*: Exploration of the caves and rivers of New South Wales (Minutes, reports, correspondence, accounts). Appendix 2, p. 45, 14 plates. The plates of photographs are unnumbered. For reference purposes the numbers 1–14 have been allotted to them here in conformity with the page order in which they appear in the Parliamentary Paper. The latter is republished (1882) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1882, with the various documents connected therewith, in five volumes: Vol. 5, pp. 551–602 (also numbered 1–52), 37 plates.

Owen, R., 1838. In Mitchell, T. L., *Three expeditions into the interior of eastern Australia, with descriptions of the recently explored region of Australia Felix, and of the present colony of New South Wales,* 1, p. xix, 2, p. 359, pl. 29, fig. 3 (M. 10777), figs 4–5 (M. 10779).

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (1), p. 248, pl. 22, figs 17–8 (M. 10777).

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper* (see footnote on p. 154), p. 45, pl. 9, top photograph, pl. 10, top photograph (F. 7273).

Anderson, C., 1926. *Aust. Mus. Mag.,* 2 (11), p. 367, text fig. (F. 18665).

Anderson, C., 1929. *Rec. Aust. Mus.,* 17 (1), p. 35, pls 17–8 (F. 18665); F. 7273, F. 20886–7, F. 19646.

Late Cainozoic: (a) Wellington Valley or Buree (Boree), (b) Wellington Caves, N.S.W., (c) Darling Downs, Queensland.

* Holotype M. 10777 in British Museum (Natural History); see also *Macropus* (*Macropus*) *titan* Owen.

** Paratype M. 10779 in British Museum (Natural History); see also *Phascolagus altus* Owen.

*** See also *Macropus* (*Macropus*) *titan* Owen.

Macropus (*Halmaturus*) *wombeyensis* Broom

Syntypes F. 51895—cranial fragment, F. 51894, F. 51896, F. 4199—three mand. fragments.

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.,* 21 (1), p. 48, pl. 6, fig. 1 (F. 51894), figs 2, ?3 (F. 4199); F. 51895–6.

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Macropus (*Macropus*) *ferragus* Owen

Plastoholotype (a) F. 49885*—mand. fragment; plastohypotype (b) F. 49884**—imperfect mand. ramus.

Tedford, R. H., 1967. *Univ. Calif. Publs geol. Sci.,* 64, pp. 127, 135, 140, 142–3 (No. 32903 and a cast of No. 32903; No. 40005).

Late Cainozoic: (a) Condamine River, Queensland, (b) Queensland.

* Holotype No. 32903 in British Museum (Natural History); see also *Macropus ferragus* Owen and *Pachysiagon ferragus* (Owen).

** Hypotype No. 40005 in British Museum (Natural History); see also *Leptosiagon gracilis* Owen.

Macropus (*Macropus*) *titan* Owen

Plastoholotype (a) F. 49888*—mand. fragment; hypotype (b) F. 18665**—imperfect cranium.

Tedford, R. H., 1967. *Univ. Calif. Publs geol. Sci.,* 64, pp. 119, 121–2, 124, 140–1 (M. 10777); pp. 124–5 (F. 18665). See footnote †.

Quaternary: (a) Wellington Valley or Buree (Boree), (b) Wellington Caves, N.S.W.

* Holotype M. 10777 in British Museum (Natural History); see also *Macropus titan* Owen.

** See also *Macropus titan* Owen.

Macropus (*Protemnodon*) *anak* (Owen)

Hypotype F. 1438*—tooth fragment.

Finlayson, H. H., 1949. *Rec. Aust. Mus.,* 22 (2), p. 164, pl. 12, figs C, G, pl. 13, figs B–D, text fig. 1A.

Campbell, T. D., 1949. *Ibid.,* p. 200, pl. 14, figs 1–3, 4B–C, 5A. Unnamed—"Krefft tooth".

Quaternary: Wellington Caves, N.S.W.

* See also *Homo*? (under Primates).

Marsupialia

Figured specimens (a) F. 30648—premolar, F. 5461*—imperfect innominate, L. 1274—cast of imperfect innominate, (b) F. 16485—imperfect incisor, F. 5369—mand. fragment, (c) F. 53496—imperfect innominate.

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper* (see footnote on p. 154), p. 45, pl. 12, top left and pl. 13, top right photographs (original of L. 1274); pl. 12, top right and pl. 13, top left photographs (F. 53496); pl. 12, top centre and pl. 13, top centre photographs (F. 5461).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 5, fig. 2 (F. 16485); pl. 11, fig. 11 (F. 5369), fig. 14 (F. 30648). Unnamed.

Localities: (a) Wellington Caves, N.S.W., (b)?, (c) Limestone Caves at Wellington, N.S.W.

* See also *Thylacoleo carnifex* Owen.

Mylodon ? *australis* Krefft

Holotype F. 7232*—imperfect ungual phalanx.

Krefft, G., 1870. *New South Wales Parliamentary Paper*: Wellington Caves (Correspondence relative to exploration of.), p. 7 (see footnote on p. 153).

Krefft, G., 1870. *Guide to the Australian fossil remains, exhibited by the Trustees of the Australian Museum,* p. 4.

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† The analysed sample (lower molars) of *Macropus* (*Macropus*) *titan* Owen from the "type locality" mentioned by Tedford, pp. 119–125, 140–2 consists of the following fifty-two mandibular fragments and imperfect mandibular rami: F. 30339, F. 30389, F. 30397, F. 30460–2, F. 30476–7, F. 30480, F. 30484, F. 30489, F. 30512 3, F. 30517–8, F. 30520, F. 30522, F. 30525, F. 30528, F. 30558, F. 30658, F. 30672–3, F. 30711, F. 53512–5, MF. 30–2, MF. 44, MF. 131—locality: Wellington Caves, N.S.W. F. 53516–34—locality: ? Wellington Caves, N.S.W. (The raw data for the sample are recorded in the Australian Museum Palaeontological Register opposite the entries for F. 53515–34).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 14, figs 7–9. Unnamed.

Quaternary: Wellington Caves, N.S.W.

* See also *Thylacoleo* and *Thylacoleo carnifex* Owen.

Nototherium

Mentioned specimen F. 5048*—imperfect mand. ramus.

Stirton, R. A., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 85, p. 133 (F. 5048, written in error as F. 5058).

Locality: ?.

* See also *Nototherium mitchelli* Owen.

Nototherium dunense De Vis

Plastaholotype F. 4666*—imperfect mand. ramus.

De Vis, C. W., 1888. *Abstr. Proc. Linn. Soc. N.S.W.* for December 28th, 1887, p. v (F. 376).

De Vis, C. W., 1888. *Proc. Linn. Soc.* N.S.W., 2 (2nd ser.), (4), p. 1065, pl. 38 (F. 376).

Late Cainozoic: Darling Downs, Queensland.

* Holotype F. 376 in Queensland Museum.

See also *Euryzygoma dunense* (De Vis).

Nototherium inerme Owen

Mentioned specimen F. 4626*—imperfect mandible.

Woods, J. T., 1968. *Mem. Qd Mus.*, 15 (2), p. 115.

Late Cainozoic: Darling Downs, Queensland.

* See also *Nototherium mitchelli* Owen.

Nototherium mitchelli Owen

Hypotypes (a) F. 4626(1)—imperfect mandible, (b) F. 5048(2)—imperfect mand. ramus, (c) F. 4635(3)—almost perfect cranium; plastohypotypes F. 4634(4)—imperfect mandible, (d) F. 4667(5)—mand. fragment.

Owen, R., 1859. *Q. Jl geol. Soc. Lond.*, 15, p. 168, pl. 7, figs 1–4,? pl. 8, fig. 5 (casts and illustrations of F. 4635); p. 176, pl. 9, figs 1–2 (No. 32850).

Owen, R., 1872. *Phil. Trans. R. Soc.*, 162 (1), p. 44, pl. 2, figs 1–2 in part, pl. 3, figs 1–3, pl. 9, figs 3–4 (casts and illustrations of F. 4635); p. 52, pl. 4, pl. 10, figs 1–2 (No. 32850); p. 55, pl. 5 (cast of F. 4626); p. 60, text fig. 2 (cast and illustrations of F. 5048); p. 81, pl. 11 (No. 43523).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 9, fig. 3 (F. 4626), fig. 8 (F. 5048). Unnamed.

Scott, H. H., 1915. *Rec. geol. Surv. Tasm.*, 4, p. 6 (cast of F. 4635; No. 43088).

Localities: (a) Darling Downs, (b)?, (c) King Creek, Darling Downs, Queensland, (d) Queensland.

(1) Plastohypotype No. 43088 in British Museum (Natural History); see also *Nototherium inerme* Owen.

(2) See also *Nototherium*.

(3) See also *Zygomaturus trilobus* Macleay.

(4) Hypotype No. 32850 in British Museum (Natural History); see also *Zygomaturus trilobus* Macleay.

(5) Hypotype No. 43523 in British Museum (Natural History); see also *Euryzygoma dunense* (De Vis).

Nototherium victoriae Owen

Plastoholotype F. 4668*—imperfect mand. ramus.

Owen, R., 1872. *Phil. Trans. R. Soc.*, 162 (1), p. 61, pl. 7, pl. 10, figs 4–6 (P. 4986).

Locality: "Near Lake Victoria, South Australia".

* Holotype P. 4986 in South Australian Museum.

See also *Zygomaturus*.

Nototherium watutense Anderson

Holotype (a) F. 36311—mand. fragment; paratype (or portion of holotypical mandible) F. 36312—mand. fragment; hypotypes (b) F. 41443–4—two mand. fragments.

Anderson, C., 1937. *Rec. Aust. Mus.*, 20 (2), p. 73, pl. 8 (F. 36311); F. 36312.

Plane, M. D., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 85, p. 107, text fig. 1 (F. 41443); F. 36311–2, F. 41444.

Localities: (a) Roaring or Waiganda Creek, a tributary of the Watut River, (b) ? Surprise Creek, near Wau, New Guinea.

"Opossum ?"

Mentioned specimen F. 15620—imperfect cranium.

Anderson, W., 1914. *Rec. Aust. Mus.*, 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Pachysiagon ferragus (Owen)

Plastoholotype F. 49885*—mand. fragment.

Owen, R., 1877. *Researches on the fossil remains of the extinct mammals of Australia; with a notice of the extinct marsupials of England*, 1, p. 449, 2, pl. 96, fig. 4, pl. 97, figs 3–4, pl. 105, fig. 3 (No. 32903).

Late Cainozoic: Condamine River, Queensland.

* Holotype No. 32903 in British Museum (Natural History).

See also *Macropus ferragus* Owen and *Macropus* (*Macropus*) *ferragus* Owen.

achysiagon otuel Owen

Plastoholotype F. 49886*—mand. fragment.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (2), p. 784, pl. 76, figs 7–10 (No. 46310).

Quaternary: King Creek, Clifton, Darling Downs, Queensland.

* Holotype No. 46310 in British Museum (Natural History).

See also *Procoptodon pusio* Owen.

Palaeopetaurus elegans Broom

Syntypes F. 17501, F. 54191—two mand. fragments.

Broom, R., 1895. *Abstr. Proc. Linn. Soc. N.S.W.* for November 27th, 1895, p. ii.

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.,* 10 (2nd ser.), (4), p. 568, pl. 46, fig. 2 (F. 17501), fig. 3 (F. 54191).

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Palorchestes

Figured specimens (a) F. 7260—imperfect innominate, F. 16570—lower molar, F. 30382—broken lower molar, (b) F. 4901—upper molar.

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper* (see footnote on p. 154), p. 45, pl. 8, top photograph and pl. 11, lower photograph (F. 7260).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 4, figs 13–4 (F. 16570); pl. 8, fig. 3 (F. 4901), fig. 7 (F. 30382). Unnamed.

Localities: (a) Wellington Caves, N.S.W., (b) ?.

Palorchestes azael Owen

Hypotypes (a) MF. 452, F. 7272*—two imperfect palates; plastohypotype (b) MF. 463**—imperfect mand.

De Vis, C. W., 1883. *Proc. Linn. Soc. N.S.W.,* 8 (2), p. 221 (F. 774).

Dun, W. S., 1893. *Rec. geol. Surv. N.S.W.,* 3 (4), p. 120, pl. 16, figs 1–5 (MF. 452); M. 2573.

De Vis, C. W., 1895. *Proc. Linn. Soc. N.S.W.,* 10 (2nd ser.), (1), p. 81, pl. 14, figs 1–2 (F. 774), figs 5–6 (cast of F. 7272).

Woods, J. T., 1958. *Mem. Qd Mus.,* 13 (4), p. 177, text fig. 3 (F. 774); MF. 452, F. 773.

Quaternary: (a) Wellington Caves, N.S.W., (b) near St Ruth, Darling Downs, Queensland.

* Plastohypotypes M. 2573 in British Museum (Natural History) and F. 773 in Queensland Museum; see also *Palorchestes rephaim* Ramsay.

** Hypotype F. 774 in Queensland Museum.

Palorchestes rephaim Ramsay

Holotype F. 7272 = B. 5936*—imperfect palate; mentioned specimens F. 7276 = B. 5938—femur, B. 6442—clavicle.

Ramsay, E. P., 1885. *The Sydney Morning Herald,* no. 14878, Dec. 1st, p. 10, col. 4 (B. 5936; B. 5938 and B. 6442 "probably" *P. rephaim* Ramsay).

Ramsay, E. P., 1886. *Proc. Linn. Soc. N.S.W.,* 10 (4), p. 761 (B. 5936; B. 5938 and B. 6442 "probably" *P. rephaim* Ramsay).

Quaternary: Wellington Caves, N.S.W.

* See also *Palorchestes azael* Owen.

Perameles wombeyensis Broom

Syntypes F. 4198, F. 51878–9—three mand. fragments.

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.,* 21 (1), p. 56, pl. 8, figs 1, 8 (F. 4198), fig. 3 (F. 51879), fig. 4 (F. 51878).

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Phalangeridae

Figured specimens (a) F. 6757, (b) A. 13318–9, A. 13320*—four ungual phalanxes.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 14, fig. 2 (A. 13318), fig. 12 (A. 13320). Unnamed.

Etheridge, R., 1918. *Ann. Mag. nat. Hist.,* 2 (ser. 9), (10), p. 314, pl. 18, figs 2–4 (A. 13320), fig. 5 and pl. 19, figs 6–7 (A. 13319); pl. 19, figs 8–9 (A. 13318); pl. 20, figs 10–2 (F. 6757).

Late Cainozoic: (a) Cope Creek, (b) Wellington Caves, N.S.W.

* See also *Thylacoleo carnifex* Owen.

Phascolagus altus Owen

Plastoholotype F. 49401*—imperfect palate.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (1), p. 261, pl. 22, figs 1–2 (M. 10779).

Quaternary: Wellington Valley or Buree (Boree), N.S.W.

* Holotype M. 10779 in British Museum (Natural History).

See also *Macropus titan* Owen.

Phascolomys

Mentioned specimens F. 15623–5—three imperfect mandibles, F. 15626–9—four imperfect mand. rami.

Anderson, W., 1914. *Rec. Aust. Mus.,* 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Phascolomys curvirostris Owen

Holotype B. 6148—premax. fragment.

Owen, R., 1885. *Nature, Lond.,* 33 (839), p. 94 (cast of B. 6148).

Owen, R., 1886. *Q. Jl geol. Soc. Lond.,* 42, p. 1, pl. 1 (cast of B. 6148).

Ramsay, E. P., 1886, *Proc. Linn. Soc. N.S.W.,* 10 (4), p. 761.

Quaternary: Wellington Caves, N.S.W.

Phascolomys medius Owen

Syntype F. 5301—imperfect palate.

Owen, R., 1872. *Nature, Lond.,* 5 (130), p. 503 (photograph of F. 5301).

Owen, R., 1872. *Phil. Trans. R. Soc.,* 162 (2), p. 241, pl. 35, fig. 7 (photograph of F. 5301).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 5, fig. 3. Unnamed.

Locality: ?.

Phascolomys ursinus (Shaw)

Mentioned specimens F. 15621–2—two crania.

Anderson, W., 1914. *Rec. Aust. Mus.,* 10 (9), p. 275.

Quaternary: King Island, Bass Strait.

Phascolomys (*Phascolonus*) *gigas* Owen

Hyptotype F. 5288—imperfect mand. ramus.

Owen, R., 1872. *Phil. Trans. R. Soc.,* 162 (2), p. 252, pl. 40, fig. 1 (excluding incisor), fig. 5 (cast and photograph of F. 5288).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 5, fig. 5. Unnamed.

Locality: St Jean Station, Darling Downs, Queensland.

Phascolonus

Figured specimens (a) F. 33349—imperfect mand. ramus, (b) F. 53497—molar.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 5, fig. 7 (F. 53497). Unnamed.

Anderson, C., and Fletcher, H. O., 1934. *Aust. Mus. Mag.,* 5 (5), p. 152, text fig. 5 (F. 33349).

Localities: (a) Cuddie Springs, near Brewarrina, N.S.W., (b) ?.

Phascolonus gigas (Owen)

Plastohypotypes (a) L. 1308 and duplicate A. 9851*—imperfect upper incisor; mentioned specimen (b) F. 9923**—imperfect upper incisor.

Stirling, E. C., 1913. *Mem. R. Soc. S. Aust.,* 1 (4), p. 140, pl. 45, figs 6–7 (P. 5018).

Ride, W. D. L., 1967. *Rec. S. Aust. Mus.,* 15 (3), p. 419, figs 1A, C (A. 9851), figs 1B, D (P. 5018); F. 9923, L. 1308.

Localities: (a) Normanville, South Australia, (b) ?.

* Hypotype P. 5018 in South Australian Museum; see also *Sceparnodon ramsayi* Owen.

** See also *Diprotodon, Sceparnodon ramsayi* Owen and *Sceparnodon stephensii* Ramsay.

Plectodon

Figured specimen L. 1366*—cast of incisor.

Krefft, G., 1870. *New South Wales Parliamentary Paper*: Australian Museum (Report from Trustees, for 1869), Appendix 6, p. 7 (No. 42638 as No. 846). See footnote†.

Krefft, G., 1872. *Ann. Mag. nat. Hist.,* 10 (ser. 4), (57), p. 179 (No. 42638 as No. 846).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 3, figs 2–2a (No. 42638). Unnamed.

Quaternary: Wellington Caves, N.S.W.

* Original No. 42638 in British Museum (Natural History).

Potorous tridactylus antiquus Broom

Syntypes F. 4201—max. fragment, F. 51880—mand. fragment.

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.,* 21 (1), p. 50, pl. 6, figs 4, 6 (F. 4201), fig. 7 (F. 51880).

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Procoptodon goliah (Owen)

Plastoholotype (a) L. 1668*—max. fragment; plastohypotype F. 49882**—mand. fragment; hypotypes (b) F. 18667†—mand. fragment, (c) F. 19652††—imperfect mand. ramus.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (2), p. 791, pl. 80, figs 1–2 (M. 1897); pl. 79, fig. 8 and pl 80, figs 3–4 (cast of F. 18667); pl. 79, fig. 1 (M. 1896); pl. 80, fig. 5 (photograph of F. 19652).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 11, fig. 9 (F. 18667). Unnamed.

Lydekker, R., 1891. *Q. Jl geol. Soc. Lond.,* 47, p. 571 (M. 1897).

Stirton, R. A., and Marcus, L. F., 1966. *Rec. Aust. Mus.,* 26 (16), p. 352, figs 3a–b (cast of M. 1896).

Tedford, R. H., 1967. *Univ. Calif. Publs geol. Sci.,* 64, pp. 80–3 (L. 1668, M. 1896).

Localities: (a) Darling Downs, (b) ? Darling Downs, Queensland, (c) Wellington Caves, N.S.W.

† Parliamentary Paper republished (1871) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1870–71, with the various documents connected therewith, in four volumes: Vol. 4, pp. 1–8.

* Holotype M. 1896 in British Museum (Natural History); see also *Macropus goliah* Owen.

** Hypotype M. 1897 in British Museum (Natural History).

† See also *Procoptodon ralpha* Owen.

†† See also *Halmaturus* (?) *scottii* Krefft.

rocoptodon pusio Owen

Plastoholotype (a) F. 49880*—associated left and right max. fragments; plastohypotype (b) F. 49886**—mand. fragment.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (2), p. 786, pl. 77, figs 2–7 (No. 39996).

Owen, R., 1877. *Researches on the fossil remains of the extinct mammals of Australia; with a notice of the extinct marsupials of England,* 1, p. 454, 2, pl. 89, figs 7–10 (No. 46310).

Stirton, R. A., and Marcus, L. F., 1966. *Rec. Aust. Mus.,* 26 (16), p. 353, figs 1a–b (cast of No. 39996), fig. 6 (cast of No. 46310).

Late Cainozoic: (a) Queensland, (b) King Creek, Clifton, Darling Downs, Queensland.

* Holotype No. 39996 in British Museum (Natural History).

** Hypotype No. 46310 in British Museum (Natural History); see also *Pachysiagon otuel* Owen.

rocoptodon ralpha Owen

Syntype (a) F. 10152*—imperfect mand. ramus; plastosyntype (b) F. 49881**—mand. fragment; hypotype (c) F. 18667†—mand. fragment.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (2), p. 788, pl. 77, figs 8–12 (No. 32885); pl. 78 (cast and photographs of F. 10152).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 8, fig. 5 (F. 10152). Unnamed.

Lydekker, R., 1891. *Q. Jl geol. Soc. Lond.,* 47, p. 571 (M. 3674, M. 3676).

Stirton, R. A., and Marcus, L. F., 1966. *Rec. Aust. Mus.,* 26 (16), p. 352, figs 5a–c (cast of No. 32885).

Localities: (a) Condamine River district, Queensland, (b) Condamine River, (c) ?Darling Downs, Queensland.

* Plastosyntype M. 3676 in British Museum (Natural History).

** Syntype No. 32885 in British Museum (Natural History).

† Plastohypotype M. 3674 in British Museum (Natural History); see also *Procoptodon goliah* (Owen).

Propleopus oscillans (De Vis)

Plastoholotype L. 1556*—imperfect mand. ramus.

Longman, H. A., 1924. *Mem. Qd Mus.,* 8 (1), p. 20 (F. 3302).

Woods, J. T., 1960. *Ibid.,* 13 (5), p. 199, text fig. 1 (F. 3302).

Ride, W. D. L., 1964. *J. Proc. R. Soc. West. Aust.,* 47 (4), p. 124, text fig. 13c (F. 3302).

Tedford, R. H., 1967. *Univ. Calif. Publs geol. Sci.,* 64, pp. 25, 27, 29 (F. 3302).

Quaternary: King Creek, Darling Downs, Queensland.

* Holotype F. 3302 in Queensland Museum.

See also *Triclis oscillans* De Vis.

Protemnodon

Figured and mentioned specimens (a) F. 49614—max. fragment, F. 37806*—premax.–max. fragment, F. 30738**—imperfect ant. part of cranium, F. 30396—mand. fragment, F. 17599—ant. palatal fragment, F. 16490‡—imperfect post. part of cranium, (b) F. 38785—ant. palatal fragment, (c) F. 2343—imperfect mand. ramus, (d) F. 2221—imperfect cranium, (e) F. 19648—crushed ant. part of cranium, (f) F. 2644††—cast of max. fragment.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 6. fig. 2 (F. 30396). Unnamed.

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.,* 44 (2), pp. 105–9, 111–3, 143, 148–53, text figs 1b, 2a–b (F. 2221); pp. 105, 118, 120, 144, text fig. 7 (F. 49614); pp. 106, 109–10, 112–3, 143, text figs 3a–b, 4 (F. 16490); pp. 106–7, 114, 135, 143, 145, text fig. 5b (F. 17599); pp. 106–7, 114, 135, 144–5, text fig. 5a (F. 38785); pp. 107, 115–6, 135, 144–5, text figs 1b, 6a–d (F. 37806); pp. 120, 144, 148–53 (F. 19648); pp. 123, 128–9, 143, 146, 154–9, text fig. 10 (F. 2343); pp. 100, 144, 148–53 (F. 30738); p. 142 (M. 48).

Plane, M. D., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.,* 86, p. 43 (F. 17599, F. 37806, F. 38785).

Localities: (a) Wellington Caves, (b) seven miles southwest of Willow Tree, near Warrah Creek, (c) Weetaliba, near Coolah, N.S.W., (d) Gowrie, Darling Downs, (e) ? Darling Downs, Queensland, (f) Queensland.

* See also *Protemnodon brehus* (Owen).

** See also *Protemnodon brehus* (Owen) and *Protemnodon mimas* Owen.

† See also *Macropus.*

†† Original M. 48 in British Museum (Natural History); see also *Macropus anak* (Owen).

Protemnodon anak Owen

Plastoholotype (a) F. 49400*—mand. fragment; hypotype (b) F. 39813—imperfect mand. ramus.

Owen, R., 1874. *Phil. Trans. R. Soc.,* 164 (1), p. 275, pl. 25, figs 1–2 (M. 1895).

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.*, 44 (2), pp. 136–7, 154–9, text fig. 13a (cast of M. 1895); pp. 129, 144, 146, 154–9 (F. 39813).

Late Cainozoic: (a) Darling Downs, Queensland, (b) near Dunedoo, N.S.W.

*Holotype M. 1895 in British Museum (Natural History).

Protemnodon antaeus Owen

Plastoholotype F. 49399*—imperfect mand. ramus.

Owen, R., 1877. *Researches on the fossil remains of the extinct mammals of Australia; with a notice of the extinct marsupials of England*, 1, p. 448, 2, pl. 110, figs 1–5 (M. 2258).

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.*, 44 (2), pp. 138, 141–2, 154–9, text fig. 14b (cast of M. 2258).

Late Cainozoic: Queensland.

* Holotype M. 2258 in British Museum (Natural History).

Protemnodon brehus (Owen)

Plastosyntype F. 49402*—imperfect palate; hypotypes F. 37806**—premax.-max. fragment, F. 30738†—imperfect ant. part of cranium; mentioned specimen F. 30538—max. fragment.

Stirton, R. A., 1963. *Ibid.*, pp. 139–141, 148–153, text fig. 15b (cast of No. 43303a).

Tedford, R. H., 1967. *Univ. Calif. Publs geol. Sci.*, 64, pp. 102, 106–8 (No. 43303a); pp. 101, 107 (F. 37806); pp. 101–2 (F. 30738); p. 107 (F. 30538).

Quaternary: Wellington Caves, N.S.W.

* Syntype No. 43303a in British Museum (Natural History); see also *Sthenurus brehus* Owen.

** See also *Protemnodon*.

† See also *Protemnodon* and *Protemnodon mimas* Owen.

Protemnodon mimas Owen

Plastoholotype (a) F. 49397*—imperfect mand. ramus; paratype (b) F. 30738**—imperfect ant. part of cranium.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (1), p. 278, pl. 26, figs 1–3 (No. 43351); pl. 27, figs 1–4, 14 (photographs of F. 30738).

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.*, 44 (2), pp. 138–9, 154–9, text fig. 14a (cast of No. 43351).

Quaternary: (a) Gowrie Creek, Darling Downs, Queensland, (b) Wellington Caves, N.S.W.

* Holotype No. 43351 in British Museum (Natural History).

** See also *Protemnodon* and *Protemnodon brehus* (Owen).

Protemnodon og Owen

Plastoholotype (a) F. 49398*—imperfect mand. ramus; hypotype (b) F. 7238—imperfect mand. ramus.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (1), p. 277, pl. 25, figs 5–6 (No. 35963).

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.*, 44 (2), pp. 136, 139, 154–9, text fig. 13b (cast of No. 35963); pp. 129, 143, 146, 154–9 (F. 7238).

Late Cainozoic: (a) Gowrie, Darling Downs, Queensland, (b) Cuan Estate, Scone, N.S.W.

* Holotype No. 35963 in British Museum (Natural History).

Protemnodon otibandus Plane

Paratypes (a) F. 36557—mand. fragment, (b) F. 37681—premolar.

Plane, M. D., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 86, p. 26.

Pliocene: (a) Roaring Creek, near Watut River, (b) Iroa Creek, New Guinea.

Protemnodon roechus Owen

Plastoholotype F. 49387*—mand. fragment.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (1), p. 281, pl. 27, figs 10–3 (No. 35968).

Stirton, R. A., 1963. *Univ. Calif. Publs geol. Sci.*, 44 (2), pp. 140, 142, 154–8, text fig. 15a (cast of No. 35968). Spelt *raechus*.

Quaternary: Gowrie, Darling Downs, Queensland.

* Holotype No. 35968 in British Museum (Natural History).

Pseudocheirus antiquus Broom

Syntypes F. 4196—max. fragment, F. 51881—mand. fragment.

Broom, R., 1896. *Proc. Linn. Soc. N.S.W.*, 21 (1), p. 55, pl. 7, fig. 4 (F. 4196), fig. 6 (F. 51881).

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Sarcophilus

Figured specimen F. 16558—imperfect mand. ramus.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 9, fig. 2. Unnamed.

Quaternary: Wellington Caves, N.S.W.

Sarcophilus laniarius (Owen)

Hypotypes F. 16535—lower molar, F. 16540—upper molar, F. 16547—two upper canines.

Etheridge, R., 1916. *Mem. geol. Surv. N.S.W.*, Ethnol. Ser. 2, p. 43, pl. 10, figs 10–2 (F. 16535); pl. 11, figs 10–2 (F. 16540); pl. 12, figs 10–1 (F. 16547).

Quaternary: Wellington Caves, N.S.W.

arcophilus ursinus (Harris)

Plastohypotype L. 1023*—cranium, L. 1024*—mandible.

McCoy, F., 1882. *Prodromus of the palaeontology of Victoria; or, figures and descriptions of Victorian organic remains,* Decade 7, p. 11, pl. 62, figs 1–1a, pl. 63, figs 1 in part, 1a, c (original of L. 1023); pl. 62, fig. 1b, pl. 63, figs 1 in part, 1b, d (original of L. 1024).

Quaternary: Queenscliff, Victoria.

*Hypotype P. 7432 in National Museum of Victoria.

Sceparnodon ramsayi Owen

Paralectotype (a) F. 9923*—imperfect upper incisor; plastolectotypes (b) L. 1308 and duplicate A. 9851**—imperfect upper incisor; hypotype (c) F. 41679—imperfect upper incisor.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 14, fig. 10 (? F. 9923). Unnamed.

Owen, R., 1883. *Nature, Lond.,* 29 (737), p. 165 (M. 1918–9).

Owen, R., 1884. *Phil. Trans. R. Soc.,* 175 (1), p. 245, pl. 11 (numbered 12 in error), figs 4–5a (M. 1918), figs 6–8 (M. 1919).

Stephenson, N. G., 1964. *Proc. zool. Soc. Lond.,* 142 (3), p. 537, pl. 3, fig. b in part (F. 41679); pl. 4, fig. a in part (M. 1919).

Ride, W. D. L., 1967. *Rec. S. Aust. Mus.,* 15 (3), p. 419, figs 1A, C (A. 9851), figs 1B, D (P. 5018); F. 9923, L. 1308.

Localities: (a) ?, (b) Normanville, South Australia, (c) Tarana, N.S.W.

* Plastoparalectotype M. 1919 in British Museum (Natural History); see also *Diprotodon, Phascolonus* gigas (Owen) and *Sceparnodon stephensii* Ramsay.

** Lectotype P. 5018 in South Australian Museum and plastolectotype M. 1918 in British Museum (Natural History); see also *Phascolonus* gigas (Owen).

Sceparnodon stephensii Ramsay

Holotype ? F. 9923 *—imperfect upper incisor.

Ramsay, E. P., 1880. *The Sydney Morning Herald,* No. 13286, Oct. 30th, p. 5, col. 4.

Locality: ?

* See also *Diprotodon, Phascolonus gigas* (Owen) and *Sceparnodon ramsayi* Owen.

Schizodon

Figured specimen F. 16457*—imperfect mand. ramus.

Stutchbury, S., 1853. *New South Wales Parliamentary Paper*: New South Wales Geological and Mineralogical Surveys. Eleventh tri-monthly Report upon the geological and mineralogical structure of New South Wales, 1st October, 1853, p. 9, two text figs. See footnote†.

Quaternary: King Creek, Darling Downs, Queensland.

* See also *Thylacoleo carnifex* Owen and *Thylacoleo oweni* McCoy.

Sthenurus

Figured specimens F. 29566, F. 29581—two imperfect mand. rami.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 10, fig. 12 (F. 29566); pl. 11, fig. 17 (F. 29581). Unnamed.

Quaternary: Wellington Caves, N.S.W.

Sthenurus andersoni Marcus

Holotype (a) MF. 946—imperfect mand. ramus; paratypes MF. 3, MF. 10, MF. 942, MF. 1078, MF. 1137—five mand. fragments, F. 49661–2—two molars, F. 49663—premolar, (b) MF. 21a—max. fragment, MF. 39—imperfect mand. ramus; hypotypes (a) MF. 975, F. 51353–4—three metatarsals, (b) F. 29557—max. fragment; mentioned specimens (a) MF. 5, MF. 1145, MF. 1147—three mand. fragments.

Marcus, L. F., 1962. *Rec. Aust. Mus.,* 25 (14), p. 299, text fig. 1 (MF. 946); paratypes (MF. 21a written in error as MF. 21).

Bartholomai, A., 1963. *Mem. Qd Mus.,* 14 (3), p. 53 (MF. 10, MF. 946, F. 49662).

Tedford, R. H., 1966. *Univ. Calif. Publs geol. Sci.,* 57, pp. 20–5, 63–5, 69, text figs 6a–e (MF. 21a); text figs 7a–e (F. 51353); all other specimens listed above (MF. 975 written in error on p. 69 as M 475).

Quaternary: (a) West side of Bone Camp Gully, a tributary of Ironbark Creek, 15 miles east of Bingara, (b) Wellington Caves, N.S.W.

Sthenurus antiquus Bartholomai

Plastoholotype L. 1729*—max. fragment.

Bartholomai, A., 1963. *Mem. Qd Mus.,* 14 (3), p. 67, text fig. 10 (F. 2975).

Locality: ? Chinchilla, Darling Downs, Queensland.

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† Parliamentary Paper republished (1853) in Votes and Proceedings of the Legislative Council (of New South Wales), during the session of the year 1853, with the various documents connected therewith, in two volumes: Vol. 2, pp. 685–695 (also numbered 1–11).

*Holotype F. 2975 in Queensland Museum.

See also *Sthenurus oreas* De Vis and *Sthenurus* (*Simosthenurus*) *antiquus* Bartholomai.

Sthenurus atlas (Owen)

Plastoholotype (a) L. 1673*—mand. fragment; hypotypes (b) F. 29556—max. fragment, F. 29573—imperfect mand. ramus, F. 29579—mand. fragment, MF. 36—imperfect cranium; mentioned specimens F. 29558—max. fragment, F. 29575, F. 29582, F. 29584–5—four mand. fragments, (c) F. 47052—two imperfect mand. rami, F. 47059—portion of cranium, F. 47063—three max. fragments.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (1), p. 265, pl. 22, figs 3–4 (M. 10778).

Anderson, C., 1932. *Rec. Aust. Mus.*, 18 (7), p. 383, text fig. 5 (F. 29556).

Tedford, R. H., 1966. *Univ. Calif. Publs geol. Sci.*, 57, pp. 5, 8, 11–20, 62–5, text figs 2a–f (F. 29573), text figs 1d, 4a–b (MF. 36); F. 29579, M. 10778, and cast of M. 10778.

Merrilees, D., 1968. *J. Proc. R. Soc. West. Aust.*, 50 (3), p. 66 (F. 29556, F. 29558, F. 29575, F. 29582, F. 29584–5, F. 47052, F. 47059, F. 47063).

Localities: (a) Wellington Valley or Buree (Boree), (b) Wellington Caves, (c) ? Wellington Caves, N.S.W.

*Holotype M. 10778 in British Museum (Natural History); see also *Macropus atlas* Owen.

Sthenurus brehus Owen

Plastosyntype F. 49402*—imperfect palate.

Owen, R., 1874. *Phil. Trans. R. Soc.*, 164 (1), p. 272, pl. 27, figs 5–6 (No. 43303a).

Quaternary: Wellington Caves, N.S.W.

*Syntype No. 43303a in British Museum (Natural History).

See also *Protemnodon brehus* (Owen).

Sthenurus minor Owen

Plastoholotype F. 49396*—imperfect palate.

Owen, R., 1877. *Proc. zool. Soc. Lond.* (for 1877), p. 352, pl. 37, pl. 38, figs 1–4 (No. 48409).

Late Cainozoic: "Talbragar country", N.S.W.

*Holotype No. 48409 in British Museum (Natural History).

See also *Troposodon minor* (Owen).

Sthenurus occidentalis Glauert

Plastoholotype L. 965*—imperfect mandible; plastohypotype L. 1594**—imperfect cranium.

Glauert, L., 1910. *Rec. West. Aust. Mus.*, 1 (1), p. 31, pl. 5 (No. 60.10.2).

Glauert, L., 1910. *Bull. geol. Surv. West. Aust.*, 36, p. 53, pls 10–2, text figs 1–3 (No. 60.10.2).

Anderson, C., 1932. *Rec. Aust. Mus.*, 18 (7), p. 383, pl. 46, fig. 2 (L. 965, L. 1594), text figs 1, 3 (No. 62.8.31).

Quaternary: Mammoth Cave, near Margaret River, Western Australia.

* Holotype No. 60,10.2 and **hypotype No. 62.8.31 in Western Australian Museum.

See also *Sthenurus* (*Simosthenurus*) *occidentalis* Glauert.

Sthenurus oreas De Vis

Plastoholotype portion (a) L. 1728*—imperfect left mand. ramus; plastoparatype (b) L. 1729**—max. fragment.

De Vis, C. W., 1895. *Proc. Linn. Soc. N.S.W.*, 10 (2nd ser.), (1), p. 96, pl. 16, figs 7–8 (F. 2975); F. 2923.

Anderson, C., 1932. *Rec. Aust. Mus.*, 18 (7), p. 386 (No. 11204).

Bartholomai, A., 1963. *Mem. Qd Mus.*, 14 (3), p. 59, text fig. 4 (F. 2923).

Localities: (a) Darling Downs, (b) ? Chinchilla, Darling Downs, Queensland.

* Holotype F. 2923 in Queensland Museum; see also *Sthenurus* (*Simosthenurus*) *oreas* De Vis.

** Paratype F. 2975 (= No. 11204) in Queensland Museum; see also *Sthenurus antiquus* Bartholomai and *Sthenurus* (*Simosthenurus*) *antiquus* Bartholomai.

Sthenurus pales De Vis

Plastoparatype (a) L. 1727*—mand. fragment; hypotype (b) F. 16489**—max. fragment.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 10, fig. 11 (F. 16489). Unnamed.

De Vis, C. W., 1895. *Proc. Linn. Soc. N.S.W.*, 10 (2nd ser.), (1), p. 94, pl. 15, figs 1, 4 (F. 812).

Bartholomai, A., 1963. *Mem. Qd Mus.*, 14 (3), p. 63, text fig. 6 (F. 812), text fig. 8 (F. 16489).

Localities: (a) ? Ravensthorpe, Pilton, Darling Downs, Queensland, (b) ? Queensland.

* Paratype F. 812 in Queensland Museum; see also *Sthenurus* (*Simosthenurus*).

** See also *Sthenurus* (*Simosthenurus*) *pales* De Vis.

Sthenurus (*Simosthenurus*)

Mentioned specimen L. 1727*—cast of mand. fragment.

Tedford, R. H., 1966. *Univ. Calif. Publs geol. Sci.*, 57, p. 48 (F. 812).

Locality: ? Ravensthorpe, Pilton, Darling Downs, Queensland.

* Original F. 812 in Queensland Museum.

See also *Sthenurus pales* De Vis.

Sthenurus (*Simosthenurus*) *antiquus* Bartholomai

Plastoholotype L. 1729*—max. fragment.

Tedford, R. H., 1966. *Ibid.*, p. 49 (F. 2975).

Locality: ? Chinchilla, Darling Downs, Queensland.

* Holotype F. 2975 in Queensland Museum.

See also *Sthenurus antiquus* Bartholomai and *Sthenurus oreas* De Vis.

Sthenurus (*Simosthenurus*) *occidentalis* Glauert

Plastoholotype L. 965*—imperfect mandible; plastohypotype L. 1594**—imperfect cranium.

Tedford, R. H., 1966. *Ibid.*, p. 33 (No. 60.10.2).

Merrilees, D., 1968. *J. Proc. R. Soc. West. Aust.*, 50 (3), p. 65 (Nos 60.10.2, 62.8.31).

Quaternary: Mammoth Cave, near Margaret River, Western Australia.

* Holotype No. 60.10.2 and **hypotype No. 62.8.31 in Western Australian Museum.

See also *Sthenurus occidentalis* Glauert.

Sthenurus (*Simosthenurus*) *oreas* De Vis

Plastoholotype portion (a) L. 1728*—imperfect left mand. ramus; hypotypes (b) MF. 2—imperfect mand. ramus, (c) MF. 90, F. 31026—two imperfect mand. rami.

Tedford, R. H., 1966. *Univ. Calif. Publs geol. Sci.*, 57, pp. 39–43, 66–7, text figs 14a–e (MF. 90), text figs 15a–e (MF. 2); F. 31026, F. 2923.

Late Cainozoic: (a) Darling Downs, Queensland, (b) Bingara, (c) Wellington Caves, N.S.W.

* Holotype F. 2923 in Queensland Museum; see also *Sthenurus oreas* De Vis.

Sthenurus (*Simosthenurus*) *orientalis* Tedford

Holotype (a) F. 10201—imperfect mand. ramus; paratype (b) MF. 912—mand. ramus.

Tedford, R. H., 1966. *Ibid.*, pp. 50–3, 66–7, text figs 19a–c (F. 10201); MF. 912.

Quaternary: (a) Wellington Caves, (b) Bingara, N.S.W.

Sthenurus (*Simosthenurus*) *pales* De Vis

Hypotypes (a) F. 41532—mand. fragment, F. 41534—max. fragment, (b) F. 19653—imperfect mand. ramus; mentioned specimen (c) F. 16489*—max. fragment.

Tedford, R. H., 1966. *Ibid.*, pp. 43–9, 66–8, text figs 16a–c (F. 41534), text figs 17a–c (F. 41532), text figs 18a–e (F. 19653); F. 16489.

Localities: (a) Geurie, near Wellington, (b) Wellington Caves, N.S.W., (c) ? Queensland.

* See also *Sthenurus pales* De Vis.

Thylacinus

Figured and mentioned specimens (a) F. 340—imperfect cranium, (b) MF. 413*—imperfect skull and associated incomplete post cranial skeleton, (c) F. 53498—associated left and right innominates.

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper* (see footnote on p. 154), p. 45, pl. 14, top photograph (F. 53498).

Etheridge, R., 1889. *New South Wales Parliamentary Paper*: Australian Museum (Report of Trustees for the year 1888), Appendix 9, pp. 36–7 (F. 340). Unnamed —"Thylacine skull". See footnote†.

Wilkinson, C. S., 1891. *New South Wales Parliamentary Paper*: Annual Report of the Department of Mines, New South Wales, for the year 1890, p. 205 (MF. 413). See footnote ‡.

Etheridge, R., 1892. *Rec. geol. Surv. N.S.W.*, 3 (1), p. 44 (F. 340, MF. 413).

Quaternary: (a) Bone Cave, Cave Flat, (b) Jersey Cave, Jenolan Caves, (c) Limestone Caves at Wellington, N.S.W.

* See also *Thylacinus cynocephalus* (Harris).

Thylacinus cynocephalus (Harris)

Mentioned specimen MF. 413*—imperfect skull and associated incomplete post cranial skeleton.

Etheridge, R., 1892. *New South Wales Parliamentary Paper*: Annual Report of the Department of Mines and Agriculture, New South Wales, for the year 1891, Appendix D, p. 269. See footnote ‡.

Leigh, W. S., 1892. *Ibid.*, Appendix 10, p. 280.

Quaternary: Jersey Cave, Jenolan Caves, N.S.W.

* See also *Thylacinus*.

Thylacinus spelaeus Owen

Hypotypes F. 16533—lower molar, F. 16539—upper molar, F. 16545—two upper canines.

Etheridge, R., 1916. *Mem. geol. Surv. N.S.W.*, Ethnol. Ser. 2, p. 43, pl. 10, figs 7–9 (F. 16533); pl. 11, figs 7–9 (F. 16539); pl. 12, figs 7–8,?9 (F. 16545).

Quaternary: Wellington Caves, N.S.W.

† Parliamentary Paper republished (1889) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1889, with the various documents connected therewith, in six volumes: Vol. 6, pp. 221–257 (also numbered 1–37), 3 plates.

‡ Parliamentary Paper republished (1892) in Votes and Proceedings of the Legislative Assembly (of New South Wales) during the session of 1891–2, with the various documents connected therewith, in eight volumes: Vol. 4, pp. 465–780 (also numbered 1–312)—1890 Report; pp. 781–1054 (also numbered 1–322)—1891 Report.

Thylacoleo

Figured specimens (a) F. 10835–6—two imperfect mand. rami, (b) F. 10837—imperfect mand. ramus, L. 1311—cast of imperfect mand. ramus, A. 13305*—imperfect ulna, F. 4664*—imperfect mand., F. 5465*—imperfect ulna, F. 16455—mand. fragment, F. 16459—imperfect mand. ramus, F. 16460—mand. fragment, F. 16461—max. fragment, F. 16472*—imperfect radius, F. 16473—cranial fragment, F. 16474—max. fragment, F. 16475—upper canine, F. 16477—upper premolar, F. 16478—upper incisor, F. 16479**—upper canine, F. 16480—lower incisor, F. 16481—upper incisor, F. 16482—upper molar, F. 16483—upper canine, F. 16633—lower incisor, F. 16641—upper incisor, F. 7232***—imperfect ungual phalanx, (c) F. 53499, F. 53503–4—three upper molars, F. 53500, F. 53502—two lower molars, F. 53501, F. 53506—two mand. teeth, F. 53505—mand. fragment, ? F. 53509—lower incisor, ? F. 53510, ? F. 53511—two upper incisors, (d) F. 16622—portions of cranium.

Krefft, G., 1872. *Ann. Mag. nat. Hist.,* 10 (ser. 4), (57), p. 169, pl. 12, fig. 2 (? F. 16633), fig. 3 (? F. 53509), fig. 4 (? F. 53510), fig. 5 (? F. 53511), fig. 11 (F. 16479), fig. 14 (F. 16483).

Cox, J. C., 1882. *Proc. Linn. Soc. N.S.W.,* 6 (4), p. 862 (? F. 16472—"more than probable" *Thylacoleo*).

Ramsay, E. P., 1882. *New South Wales Parliamentary Paper* (see footnote on p. 154), p. 45, pl. 9, lower photograph (F. 16473); pl. 10, lower photograph (F. 4664); pl. 11, top right photograph (original of L. 1311), top left photograph (F. 10837); pl. 12, lower left photograph (F. 10835), lower right photograph (F. 10836); pl. 13, bottom upper photograph (F. 5465), bottom centre photograph (A. 13305), centre and bottom lower photographs (F. 16472).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 1, fig. 1 (F. 16455), fig. 2 (F. 16477), fig. 3 and pl. 2, figs 5–6, 8 (F. 16622), pl. 1, fig. 4 (F. 53499), fig. 6 (F. 53500), fig. 7 (F. 16474–5, F. 16478); pl. 2, fig. 1 (F. 16480), fig. 3 (F. 10836); pl. 3, figs 8–8a (F. 16459), figs 9–9a (F. 53501), fig. 10 (F. 53502), figs 11–11a (F. 16633), fig. 13 (F. 16460); pl. 4, figs 1–1a (F. 16481), fig. 2 (F. 16461), fig. 5 (F. 53503), figs 7–7a (F. 16482), figs 10–10a (F. 53504), figs. 12–12a (F. 16641), figs 15–15a (F. 16483); pl. 6, fig. 1 (? F. 53511), fig. 8 (? F. 53510), fig. 11 (F. 53505); pl. 7, fig. 5 (F. 53506). Unnamed.

Etheridge, R., 1918. *Ann. Mag. nat. Hist.,* 2 (ser. 9), (10), p. 307, pl. 18, fig. 1 (F. 7232—"in all probability" *Thylacoleo*).

Localities: (a) Limestone Caves at Wellington, (b) Wellington Caves, (c) ? Wellington Caves, N.S.W., (d) ? Queensland.

* See also *Thylacoleo carnifex* Owen.

** See also *Thylacoleo robustus* Krefft.

*** See also *Mylodon* (?) *australis* Krefft and *Thylacoleo carnifex* Owen.

Thylacoleo carnifex Owen

Syntype (a) F. 16457(1)—imperfect mand. ramus; hypotypes (b) F. 16456(2)—imperfect mand. ramus, (c) F. 4660, MF. 9(3)—two imperfect crania, F. 5461(4)—imperfect innominate, F. 5465(5), A. 13305(5)—two imperfect ulnas, F. 7232(6)—imperfect ungual phalanx, F. 16454(2), F. 16458(2), F. 53508—three imperfect mand. rami, F. 16472(5)—imperfect radius; plastohypotypes F. 53507(7)—lower incisor, L. 1651—skull, (d) F. 4662(8)—imperfect cranium; (e) A. 9849(9)—cast of ant. portion of syntypical cranium; figured and mentioned specimens (c) A. 13320(10)—ungual phalanx, F. 4664(5)—imperfect mandible, F. 16628—sectioned upper premolar, F. 18666—imperfect cranium.

Owen, R., 1858. Article Odontology in *The Encyclopaedia Brittanica, or dictionary of arts, sciences, and general literature* (8th ed.), 16, p. 447, text fig. 72 (F. 16457–? cast).

Owen, R., 1859. Article Palaeontology in *The Encyclopaedia Brittanica, or dictionary of arts, sciences, and general literature* (8th ed.), 17, p. 175, text fig. 115 in part (F. 16457–? cast).

Owen, R., 1859. *Phil. Trans. R. Soc.,* 149 (1), p. 317, pl. 11, fig. 3, pl. 13, figs 4–5 (cast of F. 16457).

Owen, R., 1866. *Ibid.,* 156 (1), p. 73, pls 2–3, pl. 4, figs 1–4 (No. 39271); p. 80, pl. 4, figs 5–6 (sketch and photograph of F. 16456).

Owen, R., 1871. *Ibid.,* 161 (1), p. 224, pl. 13, fig. 2 (photograph of F. 16454), figs 1, 4 (photographs of F. 16458); p. 226, pl. 13, figs 5–7 (cast of No. 42536); p. 262, pl. 13, figs 11–2 (photographs of F. 7232—"probably" *T. carnifex* Owen).

McCoy, F., 1876. *Prodromus of the palaeontology of Victoria; or, figures and descriptions of Victorian organic remains,* Decade 3, p. 7, pl. 21, figs 1–1b, text figs 1–2 (P. 1902).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 1, fig. 7 (F. 16454), figs 10–10a (F. 16457); pl. 2, fig. 7 (F. 16456). Unnamed.

Owen, R., 1883. *Phil. Trans. R. Soc.,* 174 (2), p. 578, pl. 40, fig. 4 (F. 5465), fig. 5 (A. 13305), figs 1–3 (F. 16472); p. 579, pl. 40, figs 6–8 (F. 7232); p. 639, pl. 46, figs 1, 4 (F. 5461).

Owen, R. 1887. *Ibid.,* ser. B, 178, p. 1, pl. 1 (cast and three drawings of F. 53508).

Lydekker, R., 1887. *Catalogue of the fossil Mammalia in the British Museum (Natural History),* 5, p. 195 (M. 1536, written in error as M. 1526—"probably" *T. carnifex* Owen).

Anderson, C., 1926. *Aust. Mus. Mag.*, 2 (11), p. 367, two text figs (F. 18666, F. 4664).

Anderson, C., 1929. *Ibid.*, 3 (11), p. 389, text fig. (F. 16628).

Anderson, C., 1929. *Rec. Aust. Mus.*, **17** (1), p. 39, pls 19–22 (MF. 9); pl. 23 (L. 1651).

Gill, E. D., 1954. *Victorian Nat.*, 71 (2), p. 18, pl. 8 (photograph of F. 4660); pls 2, 10–2 (replica of L. 1651).

Late Cainozoic: (a) King Creek, Darling Downs, (b) Condamine River, Darling Downs, Queensland, (c) Wellington Caves, N.S.W., (d) Darling Downs (? Eton Vale), Queensland, (e) Lake Colungulac, Victoria.

(1) See also *Schizodon* and *Thylacoleo oweni* McCoy.

(2) See also *Thylacoleo oweni* McCoy.

(3) See also *Thylacopardus australis* Owen.

(4) See also Marsupialia.

(5) See also *Thylacoleo.*

(6) See also *Mylodon* ? *australis* Krefft and *Thylacoleo.*

(7) Hypotype No. 42536 in British Museum (Natural History); see also *Thylacoleo oweni* McCoy.

(8) Hypotype No. 39271 in British Museum (Natural History); see also *Thylacoleo oweni* McCoy.

(9) Original P. 1902 in National Museum of Victoria; this specimen belongs to the same individual as syntype M. 16591 of *Thylacoleo carnifex* Owen in the British Museum (Natural History).

(10) Cast M. 1536 in British Museum (Natural History); see also Phalangeridae.

Thylacoleo oweni McCoy

Syntypes (a) F. 16456(1), (b) F. 16457(2), (c) F. 16454(1), F. 16458(1)—four imperfect mand. rami; plastosyntypes F. 53507(3)—lower incisor, (d) F. 4662(4)—imperfect cranium.

McCoy, F., 1876. *Prodromus of the palaeontology of Victoria; or, figures and descriptions of Victorian organic remains,* Decade 3, p. 9 (F. 16454, F. 16456–8, Nos 39271, 42536).

Late Cainozoic: (a) Condamine River, Darling Downs, (b) King Creek, Darling Downs, Queensland, (c) Wellington Caves, N.S.W., (d) Darling Downs (?Eton Vale), Queensland.

(1) See also *Thylacoleo carnifex* Owen.

(2) See also *Schizodon* and *Thylacoleo carnifex* Owen.

(3) Syntype No. 42536 in British Museum (Natural History); see also *Thylacoleo carnifex* Owen.

(4) Syntype No. 39271 in British Museum (Natural History); see also *Thylacoleo carnifex* Owen.

Thylacoleo robustus Krefft

Holotype F. 16479*—upper canine.

Krefft, G., 1872. *The Sydney Mail and New South Wales Advertiser,* No. 621, vol. 13 (new ser.), May 25th, p. 649, col. 4, fig. 3.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 1, fig. 8. Unnamed.

Quaternary: Wellington Caves, N.S.W.

* See also *Thylacoleo.*

Thylacopardus australis Owen

Holotype MF. 9*—imperfect cranium.

Owen, R., 1888. *Nature, Lond.*, 39 (1000), p. 215.

Quaternary: Wellington Caves, N.S.W.

* See also *Thylacoleo carnifex* Owen.

Triclis oscillans De Vis

Plastoholotype L. 1556*—imperfect mand. ramus.

De Vis, C. W., 1888. *Proc. Linn. Soc. N.S.W.*, 3 (2nd ser.), (1), p. 5, pl. 1 (F. 3302).

Quaternary: King Creek, Darling Downs, Queensland.

*Holotype F. 3302 in Queensland Museum.

See also *Propleopus oscillans* (De Vis).

Troposodon minor (Owen)

Plastoholotype (a) F. 49396*—imperfect palate; mentioned specimen (b) F. 49403**—cast of fragmentary mand. ramus.

Bartholomai, A., 1967. *Mem. Qd Mus.*, 15 (1), p. 21 (F. 3394, F. 3401).

Late Cainozoic: (a) "Talbragar country", N.S.W., (b) Gowrie, Darling Downs, Queensland.

* Holotype No. 48409 in British Museum (Natural History) and plastoholotype F. 3394 in Queensland Museum; see also *Sthenurus minor* Owen.

** Original No. 50063a in British Museum (Natural History) and cast F. 3401 in Queensland Museum; see also *Macropus minor* (Owen).

Vombatidae

Figured specimens (a) F. 5291—cranial fragment, F. 5294—imperfect mand. ramus, F. 5448—palatal fragment, (b) ? F. 16486—premolar, F. 16487—molar.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 5, fig. 1 (F. 5448), fig. 4 (?F. 16486), fig. 10 (F. 5291), fig. 11 (F. 16487); pl. 6, fig. 10 (F. 5294). Unnamed.

Localities: (a) ?, (b) ? Wellington Caves, N.S.W.

Wynyardia bassiana Spencer

Plastoholotype F. 2859, F. 9611–23*—imperfect skull and associated incomplete post cranial skeleton.

Spencer, B., 1901. *Proc. zool. Soc. Lond.* (for 1900), p. 776, pls 49–50, text figs 1–4 (Z 237).

Wood Jones, F., 1930. *Pap. Proc. R. Soc. Tasm.* (for 1930), p. 96, pl. 5, fig. (A), text figs 1, 3, 5–6, 7 (A), 8 in part, 9 (A), 10 (A) (Z 237).

Gill, E. D., 1957. *Mem. natn. Mus. Vict.*, 21, p. 135, pl. 1.

Ride, W. D. L., 1964. *J. Proc. R. Soc. West. Aust.*, 47 (4), p. 114, text figs 10 (a)–(b) (Z 237).

?Miocene: Fossil Bluff, Wynyard, Tasmania.

* Holotype Z 237 in Tasmanian Museum, Hobart.

Zygomaturus

Figured and mentioned specimens (a) F. 4655—max, fragment, (b) F. 4668*—cast of imperfect mand. ramus.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 6. fig. 7 (F. 4655). Unnamed.

Woods, J. T., 1968. *Mem. Qd Mus.*, 15 (2), p. 115 (P. 4986).

Localities: (a) ?, (b) "near Lake Victoria, South Australia".

* Original P. 4986 in South Australian Museum; see also *Nototherium victoriae* Owen.

Zygomaturus creedii Krefft

Holotype F. 5042*—imperfect upper incisor.

Krefft, G., 1873. *The Sydney Mail and New South Wales Advertiser,* no. 697, vol. 16 (new ser.), Nov. 8th, p. 594, col. 3, p. 595, col. 1 and supplement "Australian Fossil Remains", pl. 2, figs 7–7c.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 14, fig. 5. Unnamed.

Late Cainozoic: Near Scone, N.S.W.

* Of the original premaxillary fragment with broken I^{1-2} and alveolus of I^3 the imperfect first incisor alone has been found.

Zygomaturus macleayi Krefft

Holotype F. 4629—imperfect palate.

Krefft, G., 1882. *Ibid.*, pl. 7, fig. 2. Unnamed.

Krefft, G., 1921. In Longman, H. A., *Mem. Qd Mus.*, 7 (2), p. 76.

Late Cainozoic: Condamine River, Queensland.

Zygomaturus trilobus Macleay

Holotype F. 4635*—almost perfect cranium; mentioned specimen F. 4634**—cast of imperfect mandible.

Macleay, W., 1858. In Owen, R., *Geologist*, 1, p. 166 (F. 4635).

Macleay, W., 1859. In Owen, R., *Q. Jl geol. Soc. Lond.*, 15, p. 168, pl. 7, figs 1–4, ? pl. 8, fig. 5 (F. 4635).

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 12, fig. 5 (F. 4635). Unnamed.

Stirton, R. A., 1967. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.*, 85, p. 133 (F. 4635).

Woods, J. T., 1968. *Mem. Qd Mus.*, 15 (2), p. 115 (F. 4635, No. 32850).

Quaternary: King Creek, Darling Downs, Queensland.

* See also *Nototherium mitchelli* Owen.

** Original No. 32850 in British Museum (Natural History); see also *Nototherium mitchelli* Owen.

Primates

Homo ?

Figured specimen F. 1438*—tooth fragment.

Krefft, G., 1870. *Guide to the Australian fossil remains, exhibited by the Trustees of the Australian Museum,* p. 3.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 12, figs 3–4. Unnamed.

Quaternary: Wellington Caves, N.S.W.

*See also *Macropus* (*Protemnodon*) *anak* (Owen) (under Marsupialia).

Rodentia

Conilurus

Figured specimen F. 53493—mand. fragment.

Krefft, G., 1882. *Australian Fossil Remains* (see footnote on p. 151), pl. 7, fig. 4. Unnamed.

Locality: ? Wellington Caves, N.S.W.

Mastacomys

Figured specimen F. 53494—mand. fragment.

Krefft, G., 1882. *Ibid.*, pl. 7, fig. 7. Unnamed.

Locality: ? Wellington Caves, N.S.W.

Mastacomys wombeyensis Ride

Holotype F. 47322—max. fragment.

Ride, W. D. L., 1956. *Proc. zool. Soc. Lond.*, 127 (3), p. 431, text fig. 1a.

Ride, W. D. L., 1960. *J. Proc. R. Soc. West. Aust.*, 43 (3), p. 78.

Quaternary: Wombeyan Caves, near Taralga, N.S.W.

Pseudomys novaehollandiae (Waterhouse)

Mentioned specimens (a) F. 53432—imperfect ant. portion of cranium and two mand. rami (one imperfect), (b) F. 53433—two max. fragments and two imperfect mand. rami.

Mahoney, J. A., and Marlow, B. J., 1968. *Aust. J. Sci.*, 31 (6), p. 222.

Quaternary: (a) Wombeyan Caves, near Taralga, (b) Yarrangobilly Caves, N.S.W.

Sirenia

Halicore dugong Gmelin

Figured specimens (a) E. 13311—three imperfect ribs, (b) F. 4259*—skull and associated incomplete post cranial skeleton, L. 979*—cast of rib.

Etheridge, R., David, T. W. E., and Grimshaw, J. W., 1897. *J. Proc. R. Soc. N.S.W.*, 30, p. 158, pls 10–10a, 11a (F. 4259); pl. 11, larger fig. (original of L. 979).

Etheridge, R., 1905. *Rec. Aust. Mus.*, 6 (1), p. 17, pl. 4 (E. 13311).

Fletcher, H. O., 1954. *Aust. Mus. Mag.*, 11 (6), p. 177 (F. 4259).

Quaternary: (a) "Arakoon", entrance of Macleay River, (b) Shea Creek, Sydney, N.S.W.

* Five of the ribs collected have not been found; the missing ribs include the original of L. 979.

Cetacea

Prosqualodon davidi Flynn

Plastoholotype L. 1527*—cranium, L. 1529*—imperfect mand. ramus.

Flynn, T. T., 1920. *Nature, Lond.*, 106 (2665), p. 406, text fig. 1 (original of L. 1527); holotype. Unnamed.

Flynn, T. T., 1923. *Aust. Mus. Mag.*, 1 (9), p. 266, two text figs (holotype; L. 1527, L. 1529).

Flynn, T. T., 1932. *Geol. Mag.*, 69 (817), p. 327 (holotype).

Flynn, T. T., 1948. *Trans. zool. Soc. Lond.*, 26 (2), p. 153, pl. 1, figs 1–3, pl. 2, figs 8–9, 13, text figs 1–7, 9, 11b (holotype).

?Miocene: Fossil Bluff, Wynyard, Tasmania.

*Holotype formerly in the Department of Zoology, University of Tasmania; the present whereabouts of the cranium is unknown while the mand. ramus is now No. 85605 in the Department of Geology, University of Tasmania.

Carnivora

Canis

Figured specimen F. 16536—upper molar.

Etheridge, R., 1916. *Mem. geol. Surv. N.S.W.*, Ethnol. Ser. 2, p. 43, pl. 11, figs 1–3.

Quaternary: Wellington Caves, N.S.W.

Canis dingo (Blumenbach)

Plastohypotypes L. 1021*—max. fragment, L. 1022*—upper premolar.

McCoy, F., 1882. *Prodromus of the palaeontology of Victoria; or, figures and descriptions of Victorian organic remains*, Decade 7, p. 7, pl. 61, figs 3–3a (P. 7447), fig. 4 (P. 7448).

Quaternary: Bone Cave, 5 miles southeast of Gisborne, Victoria.

* Hypotypes P. 7447–8 in National Museum of Victoria.

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